Data Dictionary for the Long River Ichthyoplankton Survey

The following tables describe the variables (data columns) for the Long River Ichthyoplankton (LRS) survey presented in the metadata. The metadata for the LRS are not complete if they are not distributed with this document.

Table 1. LRS variables and their definitions. The variable TAXON.CODE and associated descriptions are in Table 2.

Var_name	Full Name	Description	Code	Code Description
A		Regression constant derived from calibration test that is used to transform the flowmeter revolutions to volume.		
B		Regression constant derived from calibration test that is used to transform the flowmeter revolutions to volume.		
CALIB_DT	Calibration date	Last calibration date for the flowmeter. Date in MM/DD/YY format.		
CATCH_CD	Catch code	A code indicating whether the sample had catch or not. For ichthyoplankton, sampling will have a CATCH_CD = 2 (No catch) if for all taxa in the sample, the following are equal to 0 or missing values: CT_EGGS, CT_YSL, CT_PYSL, CT_UNID, and CT_YOY.	1 2 3	Catch No catch Catch not analyzed
CONDUCTIVITY	Conductivity	The conductivity of the water expressed in microsiemens per centimeter at 25 °C.		
CT_EGGS	Number of eggs	Number of eggs counted.		
CT_OLDER	Number of older than yearling	Number of older than yearling counted.		
CT_OLDER_corrected	Number of older than yearling	Corrected number of older than yearling fish counted. CT_OLDER was corrected with the number of fish in length class based on a suggestion by John Young (ASA Analysis & Communication, Inc.).		
CT_PYSL	Number of post-yolk-sac-larvae	Number of post-yolk-sac-larvae (PYSL) counted.		
CT_UNID	Number of unidentified	Number of fish of unidentified life stage counted.		
CT_YOY	Number of young-of-year	Number of young-of-year (YOY) counted.		

Var_name	Full Name	Description	Code	Code Description
CT_YOY_corrected	Corrected number of young-of-year	Corrected number of young-of-year counted. CT_YOY was corrected with the number of fish in length class based on a suggestion by John Young (ASA Analysis & Communication, Inc.).		
CT_YR_OL	Number of yearling and older	Number of yearling and older fish counted (to be used when impossible to split totals by life stage).		
CT_YRLNG	Number of yearlings	Number of yearling fish counted. This variable will be equal to the count in length class 2 (CT_LC2) for those species where division II (DIV II) represents the upper length limit for yearling fish (American shad, Blueback Herring, Striped Bass, Atlantic Tomcod, and White Perch). For all other species CT_YRLING should be assigned a missing value except between January 1-June 1, where DIV II represents the yearling upper length limit. From June 1-December 31, for all species except 6 above, DIV II is assigned a static value of 150 mm. (See definition of DIV_2)		
CT_YRLNG_corrected	Corrected number of yearlings	Corrected number of yearlings counted. CT_YRLNG was corrected with the number of fish in length class based on a suggestion by John Young (ASA Analysis & Communication, Inc.).		
CT_YROL_corrected	Corrected number of yearling and older	Corrected number of yearling and older fish counted. CT_YR_OL was corrected with the number of fish in length class based on a suggestion by John Young (ASA Analysis & Communication, Inc.).		
CT_YSL	Number of yolk-sac-larvae	Number of yolk-sac-larvae (YSL) counted.		
DATE	Date	The date of sample collection. The date in MM/DD/YY format derived from SAS date function.		
DISSOLVED.OXYGEN	Dissolved oxygen	The concentration of dissolved oxygen in the water expressed in milligram per liter at ambient temperature.		

Var_name	Full Name	Description	Code	Code Description
DIVISION.1.CUTOFF	Division 1 cutoff	A length (mm) for each species, which defines the estimated upper length limit for YOY. Division 1+1 mm defines the lower limit for length class 2.		
DIVISION.2.CUTOFF	Division 2 cutoff	A length (mm) for each species which defines the estimated upper length limit for yearling taxa. Note that after 1 January 1980, DIV_2 equals the upper boundary for length class 2 and division 2+1 mm defines the lower length limit for length class. During 1 January through 31 May, division 2 represents the upper length limit for yearling fish for all species. From 1 June through 31 December, division 2 is assigned a static value of 150 mm total length (TL) for all species except Alewife, American Shad, Blueback Herring, Striped Bass, Atlantic Tomcod, and White Perch. For these species, division 2 is maintained as a dynamic upper length limit for yearling fish throughout the year.		
DURATION	Duration	The duration of sampling in minutes.		
FISH_ID		A number assigned to each fish within a sample usually in order of measurements taken. When used in conjunction with year, task code, and sample number this number provides the ability to uniquely identify a fish at level 6.		
FLOWMETER.DIFFERENCE	Flowmeter difference	Flowmeter end minus flowmeter start equals flowmeter difference.		
FLOWMETER.END	Flowmeter end	The numbers read from the mechanical flowmeter at the end of each collection or calibration.		
FLOWMETER.NUMBER	Flowmeter number	A number assigned to each flowmeter for identification purposes.		
FLOWMETER.START	Flowmeter start	The numbers read from the mechanical flowmeter before the collection or calibration starts.		
GEAR.CODE	Gear code	A code assigned to each type of sampling device used.	64	1-m^2 epibenthic sled

Var_name	Full Name	Description	Code	Code Description
			65	1-m^2 Tucker trawl
			67	1-m^2 Tucker trawl (oblique) from the 1984 Lawler, Matusky & Skelly Engineers (LMS) gear comparison
LAT.DEGREE	Latitude degree	Latitude in degrees.		
LAT.MINUTE	Latitude minute	Latitude in minutes.		
LENGTH		The length of an individual in millimeters.		
LIFE_STG		A code representing the discrete stage of development of a specimen based on morphological characteristics.	0 1 2 3 4 5 7	Unidentified Egg Yolk-sac-larvae Post-yolk-sac-larvae Young of year Yearling Yearling or older
LON.DEGREE	Longitude degree	Longitude in degrees.		
LON.MINUTE	Longitude minute	Longitude in minutes.		
NET.LENGTH.OPENING.WIDTH.RATIO	Net length/ opening width ratio	A code representing the net length (from mouth to cod end) divided by the net width (measured horizontally at the mouth). Codes 7, 10, and 58 (used only in 1974) are not defined in the existing HRMBP data dictionaries.	5 8	5:1 8:1
NET.MESH	Net mesh size	A code which indicates the ichthyoplankton net gear mesh size in microns micron. Codes 53, 58, 65, and 85 (used only in 1974) are not defined in the existing HRBMP data dictionaries.	50 55 500	500 microns 505 microns 500 microns
PH	pH	The pH of the water measured in units of pH.		
PRESERVATION.METHOD	Preservation method	A code which indicates the state of preservation of the specimen at the time of workup.	4 5	Preserved in formalin Other
PROCESSING.DATE	Processing date	The date (derived from SAS date function) a sample was processed.		

Var_name	Full Name	Description	Code	Code Description
QC_OLDER	Quality control (QC) older than yearling	A code which indicates whether specimens were missed by the sorter and found in the sorting QC. If no organisms were missed during the QC sort, then QC_OLDER = 0. If QC_OLDER > 0, then it is the number of specimens missed by the sorter (QC finds).		
QC_YOY	Quality control (QC) young-of-year	A code which indicates whether specimens were missed by the sorter and found in the sorting Q). If no organisms were missed during the QC sort, then QC_YOY = 0. If QC_YOY > 0, then it is the number of specimens missed by the sorter (QC finds).		
QC_YR_OL	Quality control yearling and older	A code which indicates whether specimens were missed by the sorter and found in the sorting QC. If no organisms were missed during the QC sort, then QC_YR_OL = 0. If QC_ YR_OL > 0, then it is the number of specimens missed by the sorter (QC finds).		
QC_YRLNG	Quality control yearling	A code which indicates whether specimens were missed by the sorter and found in the sorting QC. If no organisms were missed during the QC sort, then QC_YRLNG = 0. If QC_ YRLNG > 0, then it is the number of specimens missed by the sorter (QC finds).		
RIVER.DEPTH	River depth	The depth, in meters, of the river from surface to bottom where sampling occurred.		
RIVER.MILE	River mile	A segment of the Hudson River (approximately one mile) defined on the river charts. A river mile extends from the river mile line northward to the next successive river mile line.		
RIVER.RUN	River run	A number assigned to each ichthyoplankton survey sampling period.		
SAM_NARR	Sample narrative	A code used to describe the quality of the biological collection for ichthyoplankton. SAM_NARR codes will be the same as those for CATCH_CD (1983).	1 2	Fish caught (field) or processed (lab) as appropriate No fish caught

Var_name	Full Name	Description	Code	Code Description
			3	Lab processing problems (spilled, deteriorated, misplaced), sample not processed
SAMPLE.DEPTH.m	Sample depth	The depth, in meters, from which the sample was collected.		
SAMPLE.NUMBER	Sample number	A number assigned sequentially within a year and task which are used to identify a sample collection.		
SITE	Site	Site indicates a more specific area or zone within a river mile from which the sample is taken.	4 5 6	West of channel (<= 20 ft. depth) Channel (>20 ft. depth) East of channel (<= 20 ft. depth)
SPLIT_CD	Split code	Code indicating the portion of the sample which was worked up.	1 8	None 1/8 split
SPLIT_CD_lv4	Split code level 4	Same as SPLIT_CD, just for level 4 data		
SPLIT_CD_lv5	Split code level 5	Same as SPLIT_CD, just for level 5 data		
STRATA.CODE	Strata code	A code indicating a segment of the river characterized by specific depth criteria. Note, in regions where the shoal stratus is not formally sampled, samples collected in water <= 20 ft. depth should be assigned to the bottom or channel structure, based on the difference between sample depth and river depth.	1 2 3	Shoals- water of 20 ft (6m) or less Bottom- water within 10 ft (3m) of the river bottom in more than 20 ft (6m depth) Channel- water more than 10 ft (3m) from the river bottom in more than 20 ft (6m) depth
TASK_CD	Task code	A code uniquely identifying each HRBMP survey from which a sample originated.	88	Long River Ichthyoplankton Survey

Var_name	Full Name	Description	Code	Code Description
TIDE.STAGE	Tidal stage	A code used to describe the direction of tidal flow.	1 2 3 4	Low slack tide stage Flood tide stage High slack tide stage Ebb tide stage
TIME	Time	The time at which sampling occurred. Time in hour: minute format derived from SAS time function.		
TOTAL.COUNT.IN.LENGTH.CLASS.1	Total count in length class 1	The actual or extrapolated number of fish per species collected in length class 1. See length class. (Note: Different from total number/LG)		
TOTAL.COUNT.IN.LENGTH.CLASS.2	Total count in length class 2	The actual or extrapolated number of fish per species collected in length class 2. See length class. (Note: Different from total number/LG)		
TOTAL.COUNT.IN.LENGTH.CLASS.3	Total count in length class 3	The actual or extrapolated number of fish per species collected in length class 3. See length class. (Note: Different from total number/LG)		
TOTAL.COUNT.IN.LENGTH.CLASS.4	Total count in length class 4	The actual or extrapolated number of fish per species collected in length class 4. See length class. (Note: Different from total number/LG)		
TOW.DIRECTION	Tow direction	Code for the direction toward which the gear was towed. Codes 5 and 7 (used only in 1984) are not defined in the existing HRBMP data dictionaries.	1 2 3	North South East
TOW.SPEED	Tow speed	Boat speed, in meters per second, relative to the water during sampling.		
TURBIDITY	Turbidity	The turbidity of the water measured in formazin turbidity units.		
USE.CODE	Use code	A code limiting the analytical use of a sample.	1 2	Assigned to a sample when there are no sampling problems. Sample may be used for C/F analysis for all species. Assigned to a sample when sampling

Var_name	Full Name	Description	Code	Code Description
				problems are encountered, but any markable or unusual species are caught. Sample not to be used for C/F analysis.
			5	Assigned to samples when sampling problems are encountered and no markable or unusual species are caught (i.e., void)
VESSEL.CODE	Vessel code	A code assigned to a boat used to collect ichthyoplankton and commercial samples. Vessel codes 23 (1990 only), 26 (2000-2016), and 27 (2013-2017) are not defined in the existing HRBMP data dictionaries.	1	Liberty Belle
			2	Celia Thaxter
			3	Sametta Too
			5	Robert Gabrielson's Boats
			6	David White's Boats
			9	Woody I
			10	Ecological Analyst's Pride
			15	Pannaway
			16	Duranautic (22 ft.), NAI 1983
			17	R/V Fritcher (32 ft.), NAI 1983
VOLUME.OF.WATER.SAMPLED.IN.CUBIC.METERS	Volume of water sampled in cubic meters	Volume of water sampled in cubic meters		
WATER.QUALITY.SAMPLE.DEPTH.m	Water quality sample depth	Depth, in meters, from which a water quality sample was collected.		

Var_name	Full Name	Description	Code	Code Description
WATER.TEMPERATURE	Water temperature	The measurement of the temperature of the water in degrees Celsius.		
WAVE.HEIGHT	Wave height	Code describing the condition of the surface of the water.	1 2 3 4	Calm (0 to 0.5 ft.) Light chop (> 0.5 ft. to 1 ft.) Heavy chop (> 1 ft. to 2 ft.) Large waves (> 2 ft.)
YEAR.OF.DATA.COLLECTION	Year of data collection	Year in which data was collected.		

Table 2. TAXON.CODE variable with codes and associated descriptions. The taxon codes 513 and 999 do not have an associated species name or descriptor.

Code	Common Name	Scientific Name	Note
1	Alewife	Alosa pseudoharengus	
2	Bay Anchovy	Anchoa mitchilli	
3	American Shad	Alosa sapidissima	
4	Bluefish	Pomatomus saltatrix	
5	Bluegill	Lepomis macrochirus	
6	Brown Bullhead	Ameiurus nebulosus	
7	Pumpkinseed	Lepomis gibbosus	
8	Black Crappie	Pomoxis nigromaculatus	
9	Carp	Cyprinus carpio	
10	American Eel	Anguilla rostrata	
11	Goldfish	Crassius auratus	
12	Golden Shiner	Notemigonus crysoleucas	
13	Hogchoker	Trinectes maculatus	

14	Tessellated Darter	Etheostoma olmestedi	
15	Banded Killifish	Fundulus diaphanus	
16	Emerald Shiner	Notropis atherinoides	
17	Largemouth Bass	Micropterus salmoides	
18	Mummichog	Fundulus heteroclitus	
19	Atlantic Menhaden	Brevoortia tyranus	
20	Minnow unidentified		
21	Chain Pickerel	Esox niger	
22	Blueback Herring	Alosa aestivalis	
23	White Sucker	Catastomus commersi	
24	Atlantic Silverside	Menidia menidia	
25	Rainbow Smelt	Osmerus mordax	
26	Smallmouth Bass	Micropterus dolomieui	
27	Shortnose Sturgeon	Acipenser brevirostrum	
28	Spottail Shiner	Notropis hudsonius	
29	Atlantic Sturgeon	Acipenser oxyrhynchus	
30	Striped Bass	Morone saxatilis	
31	4-Spine Stickleback	Apeltes quadracus	
32	Atlantic Tomcod	Microgadus tomcod	
33	To be identified		This code should not be used. Unidentified organisms which cannot be placed in a lower taxonomic level will be assigned a code of 99, 1983
34	White Catfish	Ameiurus catus	
35	White Perch	Morone americanus	
36	Yellow Perch	Perca flavescens	
37	Satinfin Shiner	Cyprinella analostana	
38	Rock Bass	Ambloplites rupestris	
39	Northern Pipefish	Syngnathus fuscus	
40	Redbreast Sunfish	Lepomis auritus	

41	Atlantic Needlefish	Strongylura marina	
42	Crevalle Jack	Caranx hippos	
43	Silvery Minnow	Hybognathus regius	
44	Fallfish	Semotilus corporalis	
45	Weakfish	Cynoscion regalis	
46	Comely Shiner	Notropis amoenus	
47	Common Shiner	Luxilus cornutus	
48	Mimic Shiner	Notropis volucellus	
49	Lookdown	Selene vomer	
50	Clupeid unidentified		Use code for all unidentified Alosa species, 1983
51	Clupeid larvae		This code should not be used, 1983
52	Morone larvae		This code should not be used, 1983
53	Grass Pickerel	Esox americanus verniculatus	
54	Lined Sea Horse	Hippocampus erectus	
55	Logperch	Percina caprodes	
56	Trout Perch	Percopsis omiscomaycus	
57	Northern Hogsucker	Hypentelium nigricrans	
58	Fathead Minnow	Pimephales promelas	
59	Cyprinid unidentified		
60	Morone unidentified		Use code for Morone species, 1983
61	Redfin Pickerel	Esox americanus americanus	
62	Tautog	Tautoga onitis	
63	4-Bearded Rockling	Enchelyopus cimbrius	
64	Striped Cuskeel	Ophidion marginatum	
65	Centrarchid larvae		This code should not be used, 1983
66	Northern King Fish	Menticirrhus saxatilis	
67	Spot	Leiostomus xanthurus	
68	Atlantic Moonfish	Selene setapinnis	

69	Brook Stickleback	Culea inconstans	
70	Sturgeon unidentified		
71	Scup	Stenotums chrysops	
72	Winter Flounder	Pseudopleuronectes americanus	
73	Inland Silverside	Menidia beryllina	
74	Sea Lamprey	Petromyzon marinus	
75	Gizzard Shad	Dorosoma cepedianum	
76	Silver Hake	Merluccius bilinearis	
77	Striped Mullet	Mugil cephalus	
78	3-Spine Stickleback	Gasterosteus aculeatus	
79	Brown Trout	Salmo trutta	
80	Butterfish	Peprillus triacanthus	
81	White Crappie	Pomoxis annualaris	
82	Brook Trout	Salvelinus fontinalis	
83	Northern Pike	Esox lucius	
84	Green Sunfish	Lepomis cyanellus	
85	Silver Perch	Bairdiella chrysoura	
86	Northern Puffer	Sphoeroides maculatus	
87	Blacknose Dace	Rhinichthys atratulus	
88	Bridle Shiner	Notropis bifrenatus	
90	Cutlips Minnow	Exoglossum maxilingua	
96	Centrarchid unidentified		Use code for all centrarchid species, 1983
97	Spotfin Shiner	Cyprinella spiloptera	
98	Squirrel Or Red Hake	Urophycis chuss	
99	Unidentifiable		
100	Central Mudminnow	Umbra limi	
101	Grubby	Myoxocephaus aenaeus	
102	East Mudminnow	Umbra pygmaea	
103	White Bass	Morone chrysops	

104	Rough Silverside	Membras martinica
105	Longear Sunfish	Lepomis megalotis
106	Summer Flounder	Paralichthys dentatus
107	Longnose Dace	Rhinichthys cataractae
108	Creek Chub	Semotilus atromaculatus
109	Black Bullhead	Ameiurus melas
110	Striped Searobin	Prionotus evolans
111	Northern Searobin	Prionotus carolinus
113	Atlantic Croaker	Micropogonias undulatus
114	Longhorn Sculpin	Myoxocephalus octodecemspino
115	Round Herring	Etrumeus teres
116	Hickory Shad	Alosa mediocris
117	Atlantic Herring	Clupea harengus
118	Reef Silverside	Hypoatherina harringtonensi
119	Striped Anchovy	Anchoa hepsetus
120	Conger Eel	Conger oceanicus
121	Striped Killifish	Fundulus majalis
122	Warmouth	Lepomis gulosus
123	Bluntnose Minnow	Pimephales notatus
124	Walleye	Sander vitreus
125	White Mullet	Mugil curema
126	Yellow Bullhead	Ameiurus natalis
127	Channel Catfish	Ictalurus punctatus
128	Pollock	Pollachius virens
129	Seaboard Goby	Gobiosoma ginsburgi
130	Naked Goby	Gobiosoma bosc
131	Yellowtail Flounder	Limanda ferruginea
132	Windowpane	Scopthalmus aquosus
133	Spotted Hake	Urophycis regia

134	Sea Robin	Prionotus
136	Northern Stargazer	Astroscopus guttatus
137	American Sandlance	Ammodytes americanus
138	Fat Sleeper	Dormitator maculatus
139	Four Spot Flounder	Paralichthys oblongus
140	Atlantic Mackerel	Scomber scombrus
141	Black Sea Bass	Centropristis striata
142	Smallmouth Flounder	Etropus microstomus
143	Rock Gunnel	Pholis gunnellus
144	Inshore Lizardfish	Synodus foetens
145	Mudminnow Unid	Umbra
146	Silver Lamprey	Ichthyomyzon unicuspis
147	Rainbow Trout	Oncorhynchus mykiss
148	Rosyface Shiner	Notropis rubellus
149	Esocidae-Pikes	
150	Gobiidae-Gobies	
151	Fundulus species	
152	Cyprinodontid unidentified	
153	Myxocephalus species	
154	Cottid unidentified	
155	Pleuronectiformes	
156	Pleuronectid unidentified	
157	Atherinid species	
158	Menidia species	
159	Bothid unidentified	
160	Speckled Wormeel	Myrophis punctatus
161	Syngnathidae family	
162	Mackerel Scad	Decapterus macarellus
163	Ammodytes species	

164	Cunner	Tautogolabrus adspersus	
165	Sciaenidae		
166	Gadidae		
167	Flying Gurnard	Dactylopterus volitans	
168	Shield Darter	Percina peltata	
169	Gray Snapper	Lutjanus griseus	
170	Atlantic Cod	Gadus morhua	
171	Sea Raven	Hemitripterus americanus	
172	Big Eye Scad	Selar crumenophthalm	
173	Striped Burrfish	Chilomycterus schoepfii	Lawler, Matusky & Skelly, Engineers (LMS)- 1981
174	Sheepshead	Archosargus probatocephalu	LMS- 1981
175	Percidae unidentified		EA Engineering, Science and Technology (EAI)- 1981
176	Spotfin Mojarra	Eucinostoumus argenteus	LMS- 1982
177	Spotfin Butterflyfish	Chaetodon ocellatus	LMS- 1983
178	Gasterosteidae family		LMS- 1983
179	Planehead Filefish	Stephanolepis hispidus	
180	Atlantic Cutlassfish	Trichiurus lepturus	Normandeau Associates, Inc. (NAI)- 1985
181	Pigfish	Orthopristis chrysoptera	NAI- 1985
182	Short Bigeye	Pristigenys alta	
183	Guaguanche	Sphyraina gauchancho	
184	Freckled Blenny	Hypsoblennius ionthas	
185	Tetraodontidae		LMS- 1985
186	Orange Spotted Filefish	Cantherhines pullus	NAI- 1985
187	Margined Madtom	Noturus insignis	NAI- 1987
188	Bluespotted Cornetfish	Fistularia tabacaria	
189	Black Drum	Pogonias cromis	
190	Northern Sennet	Sphyraina borealis	
191	Scamp	Mycteroperca phenax	

192	Cobia	Rachycentron canadum
194	Percichthyid unidentified	
195	Scrawled Cowfish	Acanthostraci quadricornis
196	Spotfin Flyingfish	Cheilopogon furcatus
197	Gulf Menhaden	Brevoortia patronus
198	Pugnose Shiner	Notropis annogenus
199	Redfin Shiner	Lythrurus umbratilis
200	Sand Shiner	Notropis stramineus
201	Swallowtail Shiner	Notropis procne
202	Tiger Muskellunge	Esox mas x luc
203	Goosefish	Lophius americanus
204	Permit	Trachinotus falcatus
205	Freshwater Drum	Aplodinotus grunniens
206	King Mackerel	Scomberomorus cavalla
207	Longnose Gar	Lepisosteus osseus
208	Spanish Mackerel	Scomberomorus maculatus
209	Highfin Goby	Gobionellus oceanicus
210	Sucker unidentified	
211	Labrid unidentified	
212	Blackcheek Tonguefish	Symphurus plagiusa
213	Oyster Toadfish	Opsanus tau
214	Feather Blenny	Hypsoblennius hentz
215	Orange Filefish	Aluterus schoepfii
216	Little Skate	Leucoraja erinacea
217	Spiny Dogfish	Squalus acanthias
218	Atlantic Seasail	Liparis atlanticus
219	Gulf Stream Flounder	Citharichthys arctifrons
220	Spotted Goatfish	Pseudupeneus maculatus
221	Brook Silverside	Labidesthes sicculus

222	Harvestfish	Peprilus paru
223	Pinfish	Lagodon rhomboides
224	Witch Flounder	Glyptocephaus cynoglossus
225	Sockeye Salmon	Oncorhynchus nerka
226	Ladyfish	Elops saurus
227	Radiated Shanny	Ulvaria subbifurcata
228	Cusk	Brosme brosme
229	Urophycis species	
230	American Plaice	Hippoglossoid platessoides
231	Slimy Sculpin	Cottus cognatus
232	Sheepshead Minnow	Cyprinodon variegatus
233	Blenny unidentified	
234	Skate unidentified	
235	Clearnose Skate	Raja eglanteria
236	Weakfish/Scup eggs	
237	Haddock	Melanogrammus aeglefinus
238	Rudd	Scardinius erythrophthalm
239	Grass Carp	Ctenopharyngo idella
240	Blue Runner	Caranx chrysos
241	Petromyzontidae family	
242	Banded Drum	Larimus faciatus
243	Silver Anchovy	Engraulis eurystole
244	Skilletfish	Gobiesox strumosus
245	Smooth Dogfish	Mustelus canis
246	Atlantic Thread Herring	Opisthonema oglinum
247	Southern Kingfish	Menticirrhus americanus
248	Wrymouth	Cryptacanthod maculatus
249	Brindled Madtom	Noturus miurus
250	Pink Wormfish	Microdesmus longipinnis

754	Blue Crab	Callinectes sapidus
888	Hatchery Striped Bass	Morone saxatilis