

**“The Ever Changing Tide:  
The Ecological Dynamics of the Earth’s Oceans as Exemplified through the  
Biodiversity of the Flushing New York Seafood Markets”**  
A Project by Brandon Ballengée

LIST OF COLLECTED SPECIMENS FROM FLUSHING MARKETS  
December 2000- June 2001

- A1 Butterfish, *Peprilus triacanthus*
- A2 Big-Eyed Scad, *Selar crumenophthalmus*
- A3 Cunner, *Tautoglabrus adspersus*
- A4 Unidentified crustacean species
- A5 Snapper species, Family Lutjanidae
- A6 Milkfish species, Family Chanidae
- A7 Soft-shelled Clam, *Mya arenaria*
- A8 Mackerel species, Family Scombridae
- A9 Spanish Mackerel, *Scomberomorus maculatus*
- A10 Vermilion Snapper, *Rhomboplites aurorubens*
- A11 Long-Finned Squid, *Loligo pealei*
- A12 Penaid Shrimp, *Penais monadon*
- A13 Croaker species (perhaps Yellow Croaker?), Family Sciaenidae
- A14 Snapper species, Family Lutjanidae
- A15 Unidentified cuttlefish species
- A16 Crappie species, Family Centrarchidae
- A17 Summer Fluke, *Paralichthys dentatus*
- A18 Bigscale Pomfret, *Taratichthys longipinnis*
- A19 Soft-shelled Clam, *Mya arenaria*
- A20 Asian Swamp Eel species, Family Synbranchidae
- A21 Fat Sleeper, *Dormitator maculatus*
- A22 Pearly Wrasse or Razor Fish, *Hemipteronotus novacula*
- A23 Unidentified crustacean species
- A24 Rockhind Grouper, *Epinephelus adscensionis*
- A25 Atlantic Croaker, *Micropogonias undulatus*
- A26 Unidentified crustacean species, Infraorder Brachyura
- A27 Cunner, *Tautoglabrus adspersus*
- A28 Pumpkinseed or Sunfish species, Family Centrarchidae
- A29 Spiny Eel species, Family Mastacembelidae
- A30 Basslet species, Family Grammidae
- A31 Grenadier species, Family Macrouridae
- A32 Sculpins species, Family Pyschrolutidae
- A33 Freshwater Prawn, *Macrobrachium species*
- A34 Blue Crabs, *Callinectes sapidus*
- A35 Bluefish, *Pomatomus saltratrix*
- A36 Louisiana Crayfish, *Procambarus clarkii*
- A37 Sculpins species, Family Pyschrolutidae
- A38 Winter Skate, Family Rajidae
- A39 Seabass species, Family Serranidae
- A40 Squirrelfish species, Family Holocentridae
- B1 Left-Eyed Flounder species, Suborder Pleuronectoidei

B2 Atlantic Shore Octopus, *Octopus vulgaris*  
B3 Yellow-Tailed Snapper, *Ocyurus chrysurus*  
B4 Mixed species, from the Families Clupeidae and Merluccius  
B5 Unidentified Clam (perhaps Manila clams?), Class Bivalvia  
B6 Spanish Mackerel, *Scomberomorus maculatus*  
B7 Deep Sea Scallop, *Placopeten magellanicus*  
B8 Mixed specimens including Big-Eyed Scad, Chilean Seabass(juvenile) and Crocodile Fish (juvenile)  
B9 Channel Catfish species, Family Ictaluridae  
B10 Snapper species , Family Lutjanidae  
B11 Grouper species (perhaps Red Hind), Family Serranidae  
B12 Parrotfish species, Family Scaridae  
B13 Parrotfish species, Family Scaridae  
B14 Wrasse species, Family Labridae  
C1 Mullet species, Family Mugilidae  
C2 American Eel, *Anguilla rostrata*  
C3 Pink Shrimp, *Penaeus duorarum*  
C4 Cuttlefish species, *Sepia species*  
C5 Cockles species, Class Bivalvia  
C6 South American Swamp Eel species, Family Synbranchidae  
C7 Mixed specimens including Silversides, *Menidia menidia*  
C8 Silver Hake, *Merluccius bilinearis*  
C9 Periwinkles, *Littorina species*  
C10 Windowpane Flounder, *Scophthalmus aquasus*  
C11 Atlantic Tilefish, *Lopholatilus chamaeleonticeps*  
C12 Porgy species, Family Sparidae  
C13 Stargazer species, Family Uranoscopidae  
C14 Lobed Moon Snail, *Polinices duplicatus*  
C15 Atlantic Mackerel, *Scomber scombrus*  
C16 Croaker species, Family Sciaenidae  
C17 Mantis Shrimp, *Squilla empusa*  
D1 Left-Eyed Flounder species, Suborder Pleuronectoidei?  
D2 Eel Elvers, *Leptocephali species*  
D3 Rock Crab species, Genera Cancer  
D4 Green Crab species, Infraorder Brachyura  
D5 Wrasse species, Family Labridae  
D6 Tilefish species, Family Malacanthidae  
D7 Veined Shrimp, *Hippolytina wurdemanni*  
D8 Speckled Crab species, perhaps *Arenaeus cribrarius?*  
D9 Atlantic Menhaden Bunker, *Brevoortia tyrannus*  
D10 Left-Eyed Flounder species, Family Bothidae  
D11 Bullhead Catfish species, Family Ictaluridae  
D12 Stout Razor Clam, *Tagelus divisus*  
D13 Sleeper species, Family Eleotridae  
D14 Mixed specimens including Atlantic Starfish species and Butterfish species, Family Stromateidae  
E1 Large Cod species head, Family Gadidae  
E2 Redfish species, perhaps *Sebastes marinus*  
E3 Porgy species, Family Sparidae

E4 Razor Clam, *Ensis directus*  
E5 Seabream or Pinfish, Family Scaridae  
E6 Eel Elvers, *Leptocephali species*  
E7 White Tilapia species, Family Cichlidae  
E8 Blue Tilapia species, Family Cichlidae  
E9 Golden Carp, *Carpia species*  
E10 Geoduck Clam, *P. geodosa*  
E11 Stout Tagelus, *Tagelus plebeius*  
E12 Asian Small Clams, *Corbicula species*  
E13 Atlantic Cutlassfish, *Trichiurus lepturus*  
E14 Red Hake, *Urophycis chuss*  
E15 Unidentified Deep Sea Fish sold as "Peking Duck Fish"  
E16 American Eel, *Anguilla rostrata*  
E17 Marlin-Spike Grenadier, *Nezumia bairdi*  
E18 Capelen species, perhaps *Mallotus villosus*?  
F1 Atlantic Croaker, *Micropogonias undulatas*  
F2 Snapper species, Family Lutjanidae  
F3 Roughy species, Family Trachichthyidae  
F4 *Moi species?*  
F5 Rainbow Trout, *Salmo gairdneri*  
F6 Weather Loach Catfish species, Family Amphiliidae  
F7 Giant Prawn, *Macrobranchium rosenbergii*  
G1 Mojarras species, Family Gerreidae  
G2 Atlantic Spadefish, *Chaetodipterus faber*  
G3 White Grunt, *Haemulan plumieri*  
G4 Ocean Poute, *Macrozoarces americanus*  
G5 Irish Pompano, *Mojarra species*  
G6 Unidentified Clam (perhaps Manila clams?), Class Bivalvia  
G7 Atlantic Oyster Drill, *Urosalpinx cinerea*  
G8 American Eel, *Anguilla rostrata*  
G9 American Blue Point Oysters, *Crassosterea virginica*  
G10 Herring or Shad species, Family Clupeidae  
G11 Sea Raven species, Family Cottidae  
G12 Snakehead species, Family Channidae  
G13 Red Grouper, *Epinephelus morio*  
G14 Pacific Japanese Oyster, *Crassosterea gigas*  
G15 Deep Water Atlantic Redfish, *Sebastes species*  
G16 Oyster Toadfish, *Opsanus tau*  
G17 Northern Moon Snail, *Lunatia heros*  
G18 Channeled Whelk, *Busycon cannaliculatum*  
G19 Unidentified Clam, Class Bivalvia  
G20 Oyster Toadfish, *Opsanust tau*  
G21 Atlantic Moonfish, *Selene setapinnis*  
G22 Blackfish or Tautog, *Tautoga onitis*  
G23 Small unidentified shark carcass with no head and no fins  
H1 Sauri species, Family Scomberesocidae  
H2 Atlantic Cod, *Gadus morhua*  
I1 Unidentified species (perhaps rockfish?), Family Scorpaenidae?  
I2 Green Clam species, Class Bivalvia

I3 Small Squid species, *Illex* or *Loligo* species  
I4 Short Finned Squid, *Illex illecebrosus*  
I5 Weakfish or Spotted Sea Trout species, *Cynoscion* species  
I6 Left-Eyed Flounder species, Suborder Pleuronectoidei  
I7 Sea Cucumber species, Class Holothuroidea  
I8 Unidentified Invertebrates (perhaps exotic Sea Squirts)  
I9 Large Unidentified Invertebrate (the same as I8)  
I10 American Goosefish, *Lophius americanus*  
I11 Sculpin species, Family Cottidae  
J1 Small Green Clam species, Class Bivalvia  
J2 Left-Eyed Flounder species, Family Bothidae  
J3 White Perch, *Morone americanus*  
J4 Red Snapper, *Lutjanus campechanus*  
J5 Scad species, Family Carangidae  
J6 Sea Bass Species, Family Serranidae  
J7 Gobi species, Family Gobiidae  
K1 Rosy Porgy species, Family Sparidae  
K2 South American Swamp Eel species, Family Synbranchidae  
K3 Striped Bass, *Morone saxatilis*  
K4 Small Octopus species, *Octopus* species  
K5 Dungeness Crab, *C. magister*  
L1 Goatfish species, Family Mullidae  
L2 Goatfish species, Family Mullidae  
L3 Gray Triggerfish or Leatherjacket, *Balistes capriscus*  
L4 Atlantic Salmon, *Salmo salar*  
L5 Smooth Dogfish or Cape Shark, *Mustelus canis*  
L6 Striped Searobin, *Prionotus evolans*

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