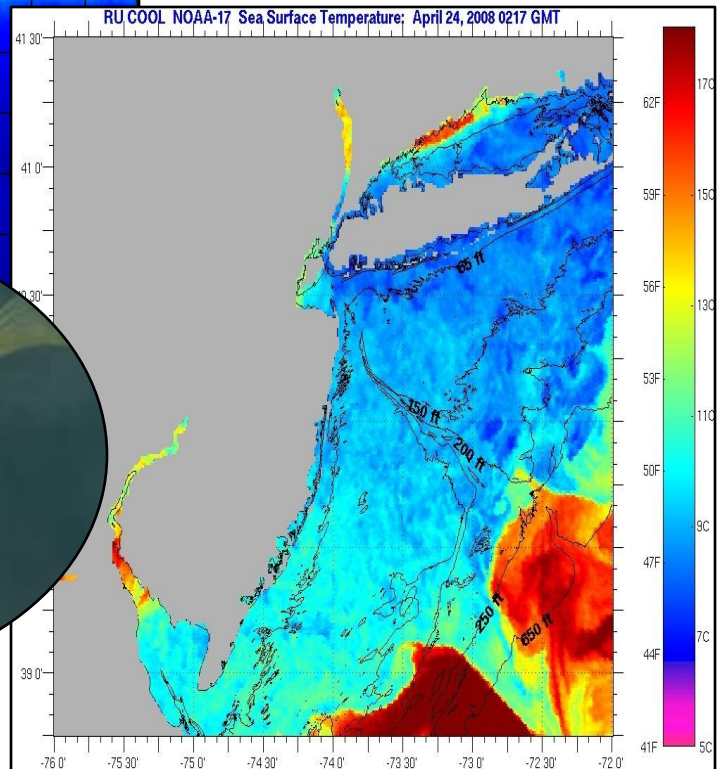
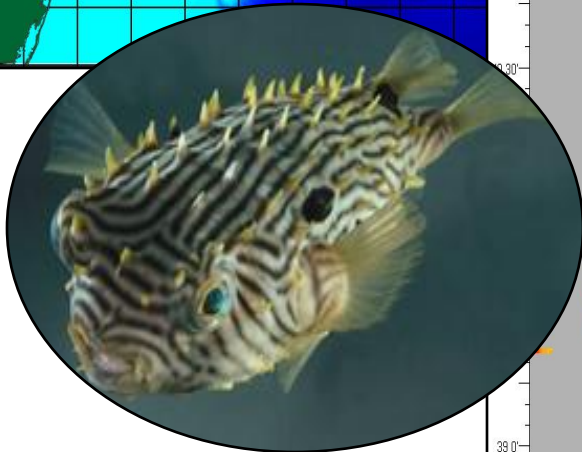
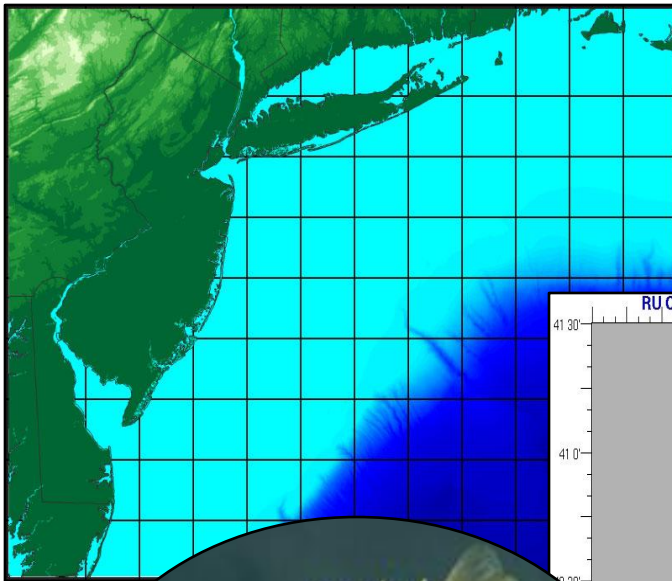


Marine Species Information



Your Aquarium

10,000 Gallons

Dimensions: 10 ft wide, 15 feet long, 10 feet deep, filled to 90%

Ideal Temperature

Fish in water outside their ideal range may have stunted growth or stress related opportunistic infections that could lead to death. Some species will go dormant when conditions are too cold.

Fish species chosen for an aquarium all need to have temperature ranges that overlap by at least 5 degrees.

Salinity Range

Salinity is a measure of dissolved salts in the water, these are not just limited to sodium and chloride

Fish adapted to estuary environments will have a broader salinity range than freshwater or saltwater species.

Fish species chosen for an aquarium all need to have salinity ranges overlap by at least 5ppt.

Size

There are limits to how many fish an aquarium of any size can hold, and how big those fish can be to fit.

Size (continued)

When considering fish size for aquariums, the full grown size of the species is used.

Your aquarium may have:

Big Fish: 5 fish longer than 3 feet.

Small Fish: 12 fish less than 3 feet.

For each big fish you don't use, you may choose 2 smaller fishes.

There should be 17 – 22 fish total.

Environment

Pelagic: Species is adapted to open ocean, constant swimming.

Demersal: Species lives lower in the water column near the bottom, may need shelter.

Benthic: Species lives on or in the bottom substrate.

Shallow: Species listed as living in shallow water are generally reliant on a form of shelter, such as rocky/shell reefs, marsh, or sea grasses.

Fish Habits

Always be aware of the aggression levels of chosen fish, and take care not to mix species that will not cohabitate well.

The feeding preferences of fish may lead to tank mates eating each other if the diet of all species in the tank is not carefully considered. You won't be able to replace eaten fish.

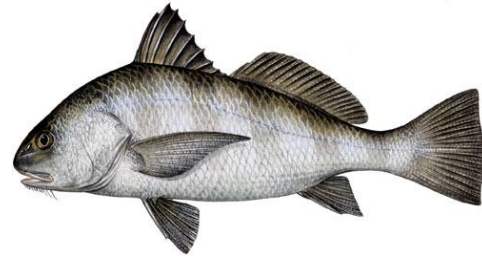
American Lobster

Scientific Name:	<i>Homarus americanus</i>		
Other Names:	Northern lobster, Atlantic lobster, Maine lobster		
Ideal Temp Range:	46 – 57 °F	Salinity Range:	29 – 35 ppt
Size:	24 inches, 9 lbs	Environment:	Benthic - Reef
Habits:	Feeds mainly on benthic invertebrates, but will eat anything. Aggressive - Use care when handling, will pinch		



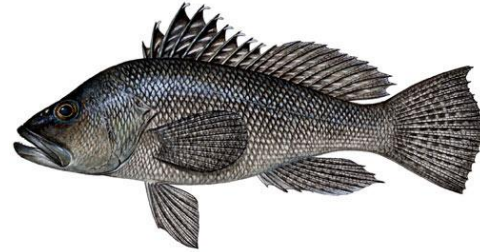
Black Drum

Scientific Name:	<i>Pogonias cromis</i>		
Other Names:	Drum, sea drum, common drum, oyster cracker, banded drum, butterfly drum		
Ideal Temp Range:	77 – 86 °F	Salinity Range:	9 – 26 ppt
Size:	5.5 ft, 115 lbs	Environment:	Demersal
Habits:	Feeds mainly on crustaceans, mollusks and smaller fish. Found over sand or sandy mud bottoms.		



Black Sea Bass

Scientific Name:	<i>Centropristis striata</i>		
Other Names:	Black Bass, blackfish		
Ideal Temp Range:	53 – 86 °F	Salinity Range:	20-30 ppt
Size:	2 ft, 10 lb	Environment:	Demersal: Reef
Habits:	Feeds mainly on crustaceans and smaller fish. Territorial – Requires structure		



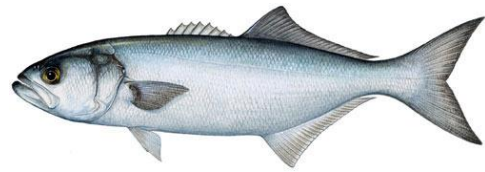
Blue Crab

Scientific Name:	<i>Callinectes sapidus</i>		
Other Names:	Atlantic blue crab, Jimmy or Channler (male), Sook (female)		
Ideal Temp Range:	50 – 95 °F	Salinity Range:	20 – 30 ppt
Size:	20 inches, 5 lbs	Environment:	Benthic
Habits:	Feeds on just about anything. Able to swim Aggressive - Use care when handling, will pinch		



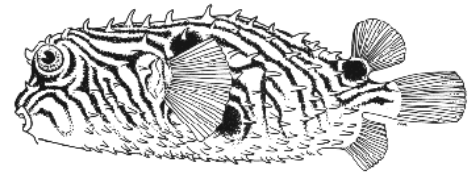
Bluefish

Scientific Name:	<i>Pomatomus saltatrix</i>		
Other Names:	Blue, chopper, anchoa, saltwater piranha		
Ideal Temp Range:	64 – 86 °F	Salinity Range:	10 – 38 ppt
Size:	4.5 ft, 32 lbs	Environment:	Pelagic - School
Habits:	Feeds mainly on crustaceans, cephalopods, and fish. Voracious and Aggressive, may bite when handled, known to jump		



Burrfish

Scientific Name:	<i>Chilomycterus schoepfii</i>		
Other Names:	Porcupine fish		
Ideal Temp Range:	56 – 78 °F	Salinity Range:	7 – 35 ppt
Size:	10 inches, 1 lb	Environment:	Shallow: Sea Grass
Habits:	Feeds mainly on benthic invertebrates		



Butterfly Fish

Scientific Name:	<i>Chaetodon ocellatus</i>		
Other Names:	Spotfin		
Ideal Temp Range:	77 – 95 °F	Salinity Range:	20 – 30 ppt
Size:	6 inches	Environment:	Shallow: Reef
Habits:	Feeds on plants and benthic invertebrates		



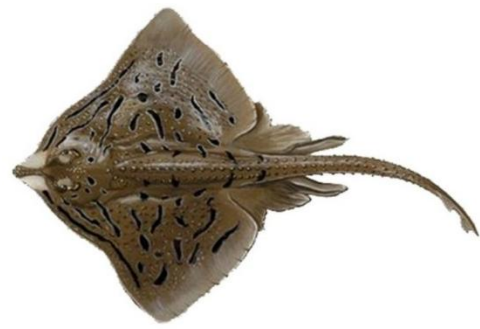
Channel Catfish

Scientific Name:	<i>Ictalurus punctatus</i>		
Other Names:	Spotted cat, blue channel cat, river catfish		
Ideal Temp Range:	50 – 88 °F	Salinity Range:	2 – 15 ppt
Size:	4.5 feet, 58 lbs	Environment:	Benthic
Habits:	Feeds mainly on crustaceans, clams, snails, and small fish.		



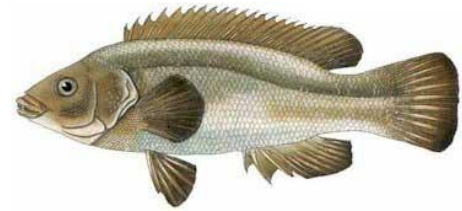
Clearnose Skate

Scientific Name:	Raja eglanteria		
Other Names:	Clear-nose brier, skate, clear-nose summer skate		
Ideal Temp Range:	60 – 85 °F	Salinity Range:	15 – 30 ppt
Size:	2 feet	Environment:	Benthic
Habits:	Feeds mainly on benthic invertebrates, small fish, and squid		



Cunner

Scientific Name:	Tautoglabrus adspersus		
Other Names:	Bergal		
Ideal Temp Range:	30 - 72°F	Salinity Range:	10 – 30 ppt
Size:	1.3 feet, 2.2 lbs	Environment:	Demersal: Reef
Habits:	Feeds mainly on benthic invertebrates, detritus, and zooplankton.		



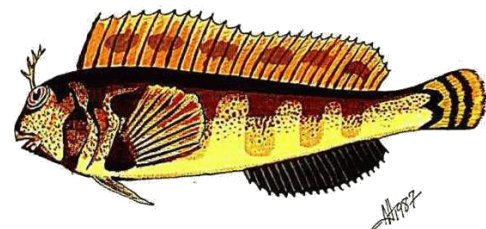
Diamondback Terrapin

Scientific Name:	Malaclemys terrapin		
Other Names:			
Ideal Temp Range:	35 – 72 °F	Salinity Range:	2 – 20 ppt
Size:	9 inches	Environment:	Shallow: Brackish Marsh
Habits:	Feeds mainly on mollusks, crustaceans, and occasional fish		



Feather Blenny

Scientific Name:	Hypsoblennius hentz		
Other Names:			
Ideal Temp Range:	50 – 95 °F	Salinity Range:	10 – 30 ppt
Size:	4 inches	Environment:	Shallow: Reef/ Sea Grass
Habits:	Feeds mainly on algae and benthic invertebrates Territorial		



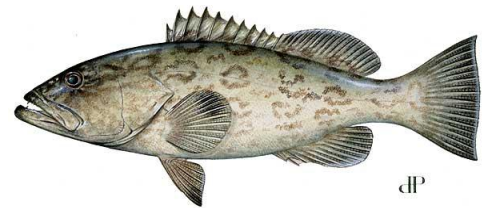
Fluke

Scientific Name:	Paralichthys dentatus		
Other Names:	Summer Flounder		
Ideal Temp Range:	65 – 80 °F	Salinity Range:	9 – 25 ppt
Size:	3 feet, 26 lbs	Environment:	Benthic
Habits:	Feeds mainly on benthic crustaceans, fish, and large invertebrates Ambush predator		



Gag Grouper

Scientific Name:	Mycteroperca microlepis		
Other Names:	Gag, charcoal belly		
Ideal Temp Range:	75 - 85 °F	Salinity Range:	25 – 35 ppt
Size:	4.5 feet, 80 lbs	Environment:	Demersal: Rocky Reef
Habits:	Feeds mainly on fish, some crustaceans, and cephalopods. Associates with rocky bottom.		



Hard Shell Clam

Scientific Name:	Mercenaria mercenaria		
Other Names:	Northern quahog, hard clam, littleneck, cherrystone, chowder clam		
Ideal Temp Range:	65 – 75 °F	Salinity Range:	15 – 32 ppt
Size:	4 inches	Environment:	Benthic
Habits:	Feeds mainly on plankton filtered from the water. Digs into sandy or muddy bottom.		



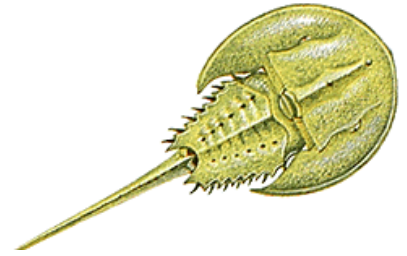
Hogchoker

Scientific Name:	Trinectes maculatus		
Other Names:			
Ideal Temp Range:	65 – 75 °F	Salinity Range:	18 – 30 ppt
Size:	8 inches	Environment:	Benthic
Habits:	Feeds mainly on detritus and benthic invertebrates		



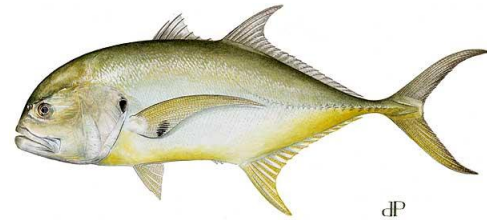
Horseshoe Crab

Scientific Name:	Limulus polyphemus		
Other Names:	Soldier crab		
Ideal Temp Range:	50 – 95 °F	Salinity Range:	20 – 30 ppt
Size:	2 feet	Environment:	Benthic
Habits:	Feeds mainly on mollusks, and other benthic invertebrates.		



Jack Crevalle

Scientific Name:	Caranx hippos		
Other Names:	Skip jack, jack		
Ideal Temp Range:	65 – 75 °F	Salinity Range:	10 – 40 ppt
Size:	4 feet, 70 lbs	Environment:	Pelagic: Reef
Habits:	Feeds mainly fish, shrimp, and other invertebrates.		



dP

Lightning Whelk

Scientific Name:	<i>Busycon contrarium</i>		
Other Names:			
Ideal Temp Range:	70-85 °F	Salinity Range:	23 – 36 ppt
Size:	16 inches	Environment:	Benthic – Sandy/Muddy
Habits:	Feed mainly on mollusk bivalves.		



Mantis Shrimp

Scientific Name:	<i>Squilla empusa</i>		
Other Names:	thumb splitters, finger poppers, killer shrimp, thumb busters		
Ideal Temp Range:	50 – 95 °F	Salinity Range:	18 – 40 ppt
Size:	10 inches,	Environment:	Benthic – Muddy
Habits:	Fish, shrimps, krill, marine worms, snails and other mantis shrimp Burrowing, needs muddy substrate. Aggressive – Use care when handling, able to cut fingers		



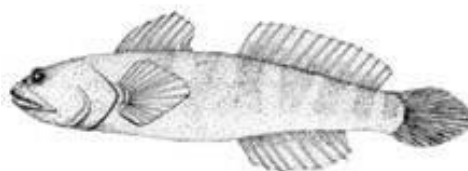
Mummichog

Scientific Name:	Fundulus heteroclitus		
Other Names:	Chub, mummy, salt water minnow		
Ideal Temp Range:	50 – 75 °F	Salinity Range:	1 – 20 ppt
Size:	6 inches	Environment:	Shallow: Brackish Marsh - School
Habits:	Feeds mainly on insects, crustaceans, small fish, and plant material Very hardy fish, resistant to pollution and poor water conditions.		



Naked Goby

Scientific Name:	Gobiosoma bosc		
Other Names:			
Ideal Temp Range:	35 – 85 °F	Salinity Range:	10 – 30 ppt
Size:	2.4 inches	Environment:	Demersal
Habits:	Feeds mainly on worms, and small crustaceans		



Northern Puffer Fish

Scientific Name:	Sphoeroides maculatus		
Other Names:	Puffer		
Ideal Temp Range:	65 – 75 °F	Salinity Range:	5 – 25 ppt
Size:	14 inches	Environment:	Benthic/Demersal
Habits:	Feeds mainly on mollusks, crustaceans, cephalopods, and occasionally fish Can increase its size by sucking in water to deter predators.		



Northern Sea Robin

Scientific Name:	Prionotus carolinus		
Other Names:	Sea robin, pig fish		
Ideal Temp Range:	55 – 95 °F	Salinity Range:	15 – 30 ppt
Size:	15 inches	Environment:	Benthic/Demersal
Habits:	Feeds mainly on shrimp, crabs, squid, bivalves, and small fish.		



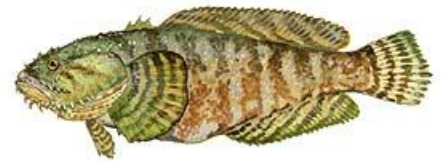
Oyster

Scientific Name:	Crassostrea virginica		
Other Names:	American oyster, eastern oyster		
Ideal Temp Range:	70 – 80 °F	Salinity Range:	5 – 35 ppt
Size:	8 inches	Environment:	Benthic: Sessile
Habits:	Feeds on detritus, and plankton filtered from the water.		



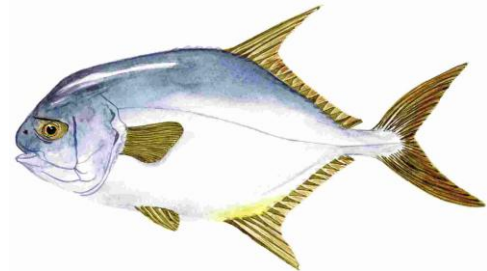
Oyster Toadfish

Scientific Name:	Opsanus tau		
Other Names:	Toadfish, dowdy		
Ideal Temp Range:	50 – 86 °F	Salinity Range:	20 – 30 ppt
Size:	1.5 feet, 5 lbs	Environment:	Benthic: Reef
Habits:	<p>Feeds mainly on benthic invertebrates.</p> <p>Hardy fish, resistant to poor water conditions</p> <p>Requires some form of shelter - Territorial</p>		



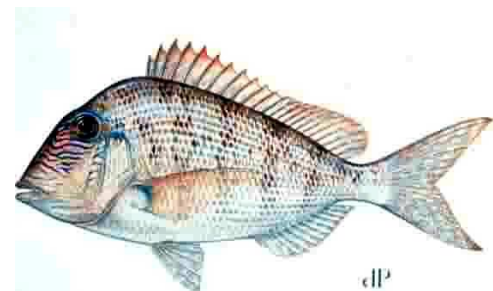
Permit

Scientific Name:	Trachinotus falcatus		
Other Names:	Round pompano, great pompano		
Ideal Temp Range:	75 – 85 °F	Salinity Range:	15 – 30 ppt
Size:	4 feet, 80 lbs	Environment:	Pelagic: Reef - School
Habits:	Feeds mainly on mollusks, crustaceans, and small fish		



Porgy

Scientific Name:	Calamus nodosus		
Other Names:	Knobbed porgy, scup		
Ideal Temp Range:	75 – 80 °F	Salinity Range:	2 – 15 ppt
Size:	21 inches, 6 lbs	Environment:	Demersal: Reef
Habits:	<p>Feeds mainly on mollusks, crustaceans, and echinoderms</p> <p>Territorial</p>		



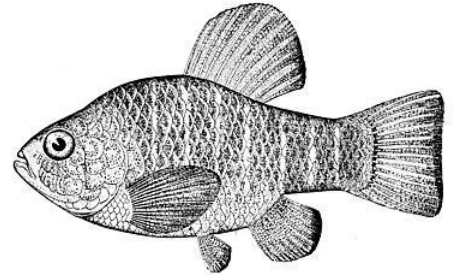
Seahorse

Scientific Name:	<i>Hippocampus erectus</i>		
Other Names:	Northern Atlantic seahorse		
Ideal Temp Range:	60 – 80 °F	Salinity Range:	20 – 30 ppt
Size:	7.5 inches	Environment:	Shallow: Sea Grass
Habits:	Feeds mainly on zooplankton Slow feeder, main require segregation from other species in a tank.		



Sheepshead Minnow

Scientific Name:	<i>Cyprinodon variegatus</i>		
Other Names:	Purse minnow		
Ideal Temp Range:	30 – 75 °F	Salinity Range:	10 – 30 ppt
Size:	3.5 inches	Environment:	Demersal - School
Habits:	Feeds mainly on detritus, algae, and plankton Can be used as a food source for larger fish.		



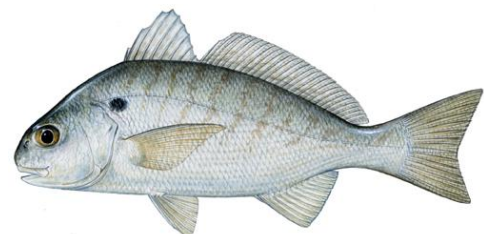
Smooth Dogfish

Scientific Name:	<i>Mustelus canis</i>		
Other Names:	Dogfish		
Ideal Temp Range:	50 – 80 °F	Salinity Range:	15 – 25 ppt
Size:	5 feet, 27 lbs	Environment:	Demersal
Habits:	Feeds mainly on large crustaceans.		



Spot

Scientific Name:	<i>Leiostomus xanthurus</i>		
Other Names:	Norfolk spot, grunt, croaker		
Ideal Temp Range:	70 – 80 °F	Salinity Range:	5 – 25 ppt
Size:	14 inches, 1 lb	Environment:	Demersal - School
Habits:	Feeds mainly on worms, crustaceans, and detritus.		



Striped Bass

Scientific Name:	Morone saxatilis		
Other Names:	Striper, rock bass		
Ideal Temp Range:	64 – 69 °F	Salinity Range:	5 – 35 ppt
Size:	6.5 feet, 125 lbs	Environment:	Demersal
Habits:	Feeds mainly on fish, and invertebrates. Voracious, opportunistic feeder.		



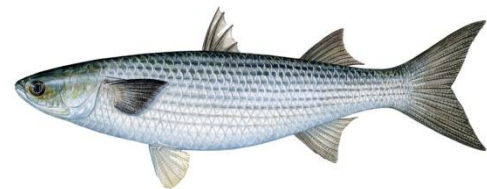
Striped Killifish

Scientific Name:	Fundulus majalis		
Other Names:	Banded killifish		
Ideal Temp Range:	50 – 75 °F	Salinity Range:	2 – 35 ppt
Size:	6 inches	Environment:	Shallow: Marsh or Sand - School
Habits:	Feeds mainly on small crustaceans and worms		



Striped Mullet

Scientific Name:	Mugil cephalus		
Other Names:	Silver mullet		
Ideal Temp Range:	45 – 75 °F	Salinity Range:	10 – 35 ppt
Size:	3 feet, 25 lbs	Environment:	Demersal - School
Habits:	Feeds mainly on detritus, algae, and benthic invertebrates		



Striped Sea Robin

Scientific Name:	Prionotus evolans		
Other Names:	Sea robin		
Ideal Temp Range:	68 – 95 °F	Salinity Range:	10 – 35 ppt
Size:	1.5 feet	Environment:	Demersal / Benthic
Habits:	Feeds mainly on crustaceans, and small fish		



Tautog

Scientific Name:	Tautoga onitis		
Other Names:	Blackfish, slippery bass, tog, chub, black porgy		
Ideal Temp Range:	50 – 75 °F	Salinity Range:	20 – 35 ppt
Size:	3 feet, 25 lbs	Environment:	Demersal / Benthic
Habits:	Feeds mainly on mussels, snails, and crustaceans Territorial		



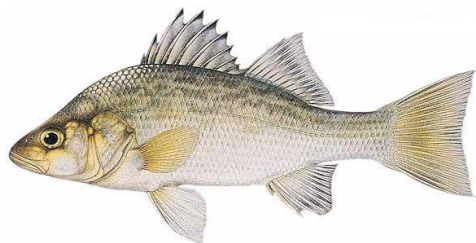
White Mullet

Scientific Name:	Mugil curema		
Other Names:	Silver mullet		
Ideal Temp Range:	50 – 68 °F	Salinity Range:	10 – 35 ppt
Size:	3 feet, 15 lbs	Environment:	Demersal - School
Habits:	Feeds mainly on algae and plankton		



White Perch

Scientific Name:	Morone americana		
Other Names:	Silver bass		
Ideal Temp Range:	50 – 85 °F	Salinity Range:	2 – 20 ppt
Size:	20 inches, 5 lbs	Environment:	Demersal
Habits:	Feeds mainly on insects, fish larvae, small fish, benthic invertebrates		



Winter Flounder

Scientific Name:	Pseudopleuronectes americanus		
Other Names:	Blackback, Lemon sole, sea flounder		
Ideal Temp Range:	60 – 70 °F	Salinity Range:	10 – 30 ppt
Size:	2 feet, 8 lbs	Environment:	Benthic
Habits:	Feeds mainly on benthic invertebrates		

