Marine Biology



Fish & Turtle Identification

Marine Biology



Fish & Turtle Identification



Fish Identification

Blue Marlin



Family Istiophoridae, BILLFISHES

Makaira nigricans

Longbill Spearfish



Family Istiophoridae, BILLFISHES

Tetrapturus pfluegeri

Sailfish



Family Istiophoridae, BILLFISHES

Istiophorus platypterus

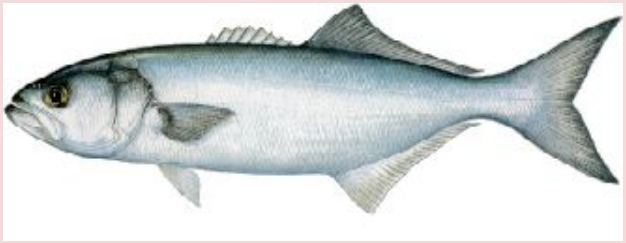
White Marlin



Family Istiophoridae, BILLFISHES

Tetrapterus albidus

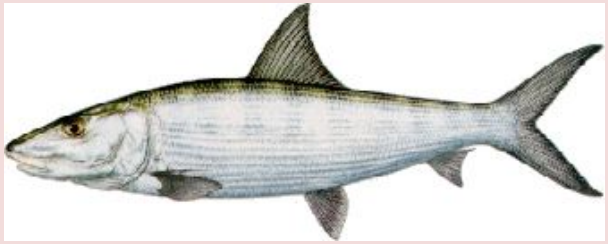
Bluefish



Family Pomatomidae, BLUEFISHES

Pomatomus saltatrix

Bonefish



Family Albulidae, BONEFISHES

Albula vulpes

Cobia (ling)



Family Rachycentridae, COBIA

Rachycentron canadum

Dolphin



Family Coryphaenidae, DOLPHINS

Coryphaena hippurus

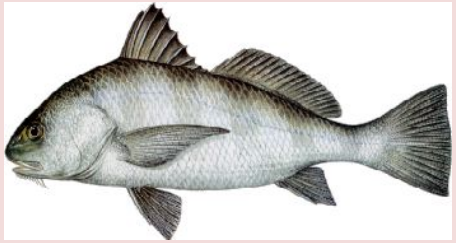
Atlantic Croaker



Family Sciaenidae, DRUMS

Micropogonias undulatus

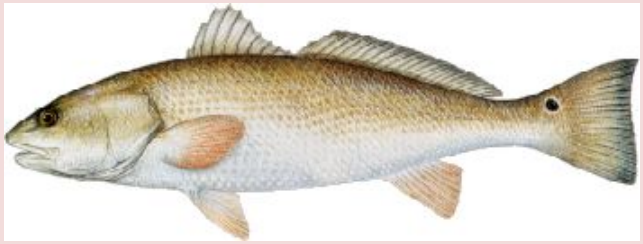
Black Drum



Family Sciaenidae, DRUMS

Pogonias cromis

Red Drum (redfish)



Family Sciaenidae, DRUMS

Sciaenops ocellatus

Sand Seatrout



Family Sciaenidae, DRUMS

Cynoscion arenarius

Silver Seatrout



Family Sciaenidae, DRUMS

Cynoscion nothus

Spotted Seatrout



Family Sciaenidae, DRUMS

Cynoscion nebulosus

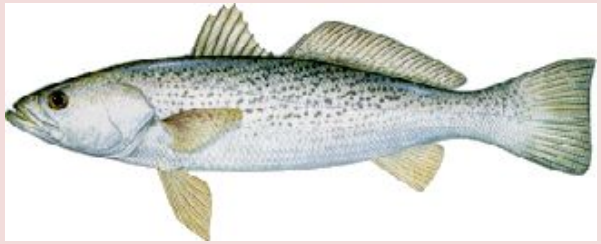
Silver Perch (yellowtail)



Family Sciaenidae, DRUMS

Bairdiella chrysoura

Weakfish



Family Sciaenidae, DRUMS

Cynoscion regalis

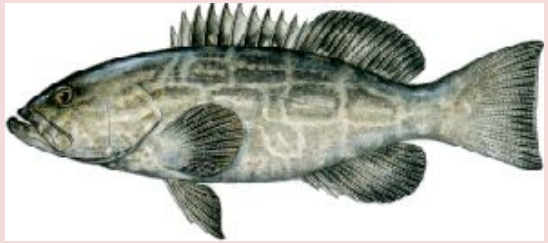
Gulf Flounder



Family Bothidae, LEFTEYE FLOUNDERS

Paralichthys albigutta

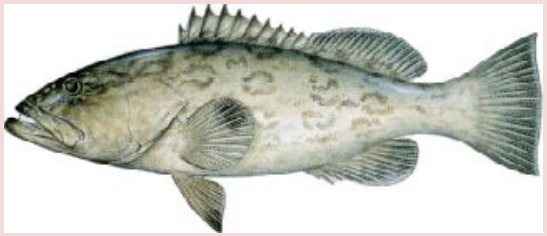
Black Grouper



Family Serranidae, SEA BASSES AND GROUPER

Mycteroperca bonaci

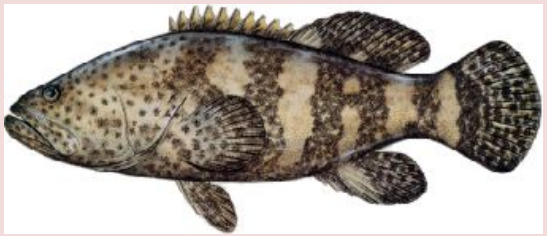
Gag



Family Serranidae, SEA BASSES AND GROUPER

Mycteroperca microlepis

Jewfish (goliath grouper)



Family Serranidae, SEA BASSES AND GROUPER

Epinephelus itajara

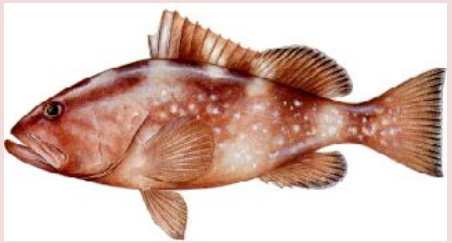
Nassau Grouper



Family Serranidae, SEA BASSES AND GROUPER

Epinephelus striatus

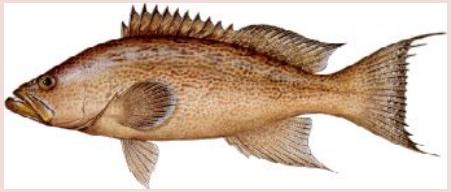
Red Grouper



Family Serranidae, SEA BASSES AND GROUPER

Epinephelus morio

Scamp



Family Serranidae, SEA BASSES AND GROUPER

Mycteroperca phenax

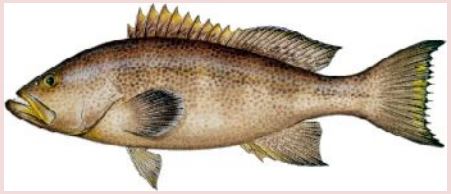
Yellowfin Grouper



Family Serranidae, SEA BASSES AND GROUPER

Mycteroperca venenosa

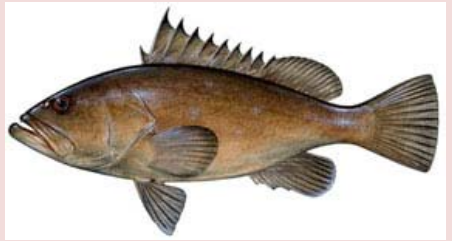
Yellowmouth Grouper



Family Serranidae, SEA BASSES AND GROUPER

Mycteroperca interstitialis

Warsaw Grouper



Family Serranidae, SEA BASSES AND GROUPER

Epinephelus nigritus

Bank Sea Bass



Family Serranidae, SEA BASSES AND GROUPER

Centropristis ocyurus

Black Sea Bass



Family Serranidae, SEA BASSES AND GROUPER

Centropristis striata

Rock Sea Bass



Family Serranidae, SEA BASSES AND GROUPER

Centropristis philadelphica

White Grunt



Family Haemulidae, GRUNTS

Haemulon plumieri

American Shad



Family Clupeidae, HERRINGS

Alosa sapidissima

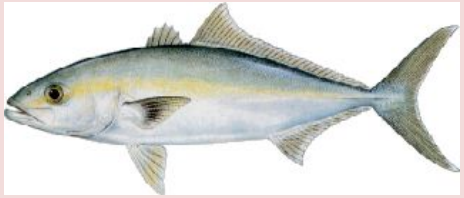
Almaco Jack



Family Carangidae, JACKS and POMPANOS

Seriola rivoliana

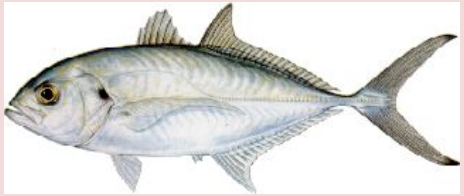
Banded Rudderfish



Family Carangidae, JACKS and POMPANOS

Seriola zonata

Blue Runner



Family Carangidae, JACKS and POMPANOS

Caranx crysos

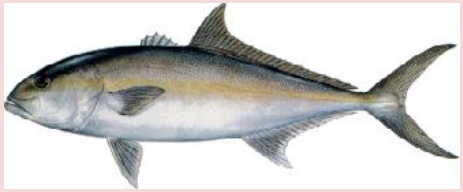
Crevalle Jack



Family Carangidae, JACKS and POMPANOS

Caranx hippos

Greater Amberjack



Family Carangidae, JACKS and POMPANOS

Seriola dumerili

Lesser Amberjack



Family Carangidae, JACKS and POMPANOS

Seriola fasciata

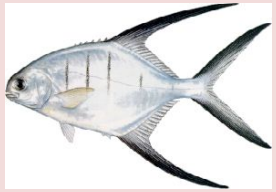
Florida Pompano



Family Carangidae, JACKS and POMPANOS

Trachinotus carolinus

Palometa



Family Carangidae, JACKS and POMPANOS

Trachinotus goodei

Permit



Family Carangidae, JACKS and POMPANOS

Trachinotus falcatus

Yellowfin Tuna



Family Scombridae, MACKERELS and TUNAS

Thunnus albacares

Cero (cero mackerel)



Family Scombridae, MACKERELS and TUNAS

Scomberomorous regalis

King Mackerel



Family Scombridae, MACKERELS and TUNAS

Scomberomorous cavalla

Spanish Mackerel



Family Scombridae, MACKERELS and TUNAS

Scomberomorous regalis

Wahoo



Family Scombridae, MACKERELS and TUNAS

Acanthocybium solanderi

Fantail Mullet



Family Mugilidae, MULLETS

Mugil gyrans

Striped (Black) Mullet



Family Mugilidae, MULLETS

Mugil cephalus

Southern Stingray



Family Dasyatidae, STINGRAYS

Dasyatis americana

Atlantic Sharpnose Shark



Family Carcharhinidae, REQUIEM SHARKS

Rhizoprionodon terraenovae

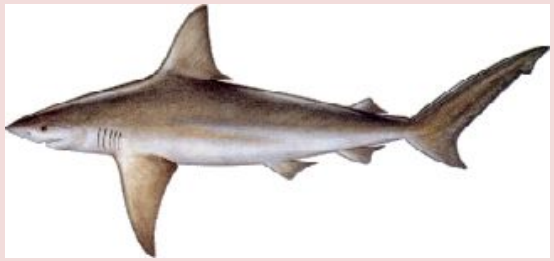
Bonnethead Shark



Family Sphyrnidae, HAMMERHEAD SHARKS

Sphyrna tiburo

Sandbar Shark



Family Carcharhinidae, REQUIEM SHARKS

Carcharhinus plumbeus

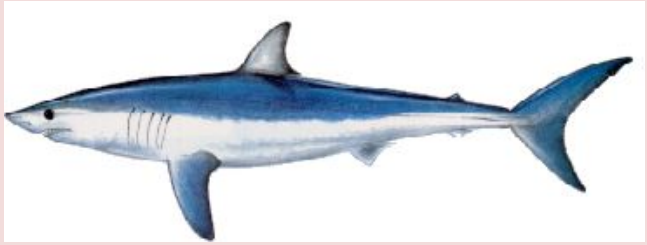
Scalloped Hammerhead



Family Sphyrnidae, HAMMERHEAD SHARKS

Sphyrna tiburo

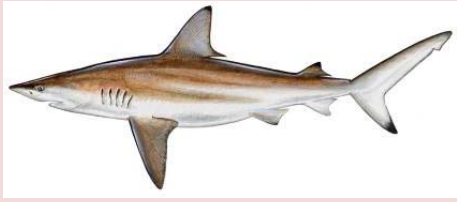
Shortfin Mako



Family Lamnidae, MACKEREL SHARKS

Isurus oxyrinchus

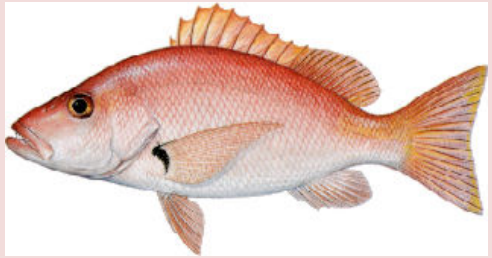
Black Tip Shark



Family Carcharhinidae, REQUIEM SHARKS

Carcharhinus limbatus

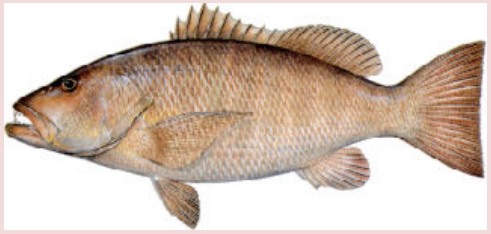
Blackfin Snapper



Family Lutjanidae, SNAPPERS

Lutjanus buccanella

Cubera Snapper



Family Lutjanidae, SNAPPERS

Lutjanus cyanopterus

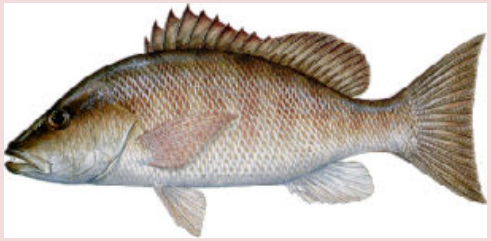
Dog Snapper



Family Lutjanidae, SNAPPERS

Lutjanus jocu

Grey Snapper (mangrove snapper)



Family Lutjanidae, SNAPPERS

Lutjanus griseus

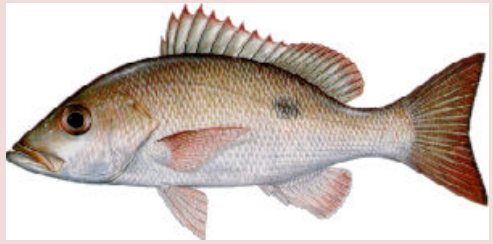
Lane Snapper



Family Lutjanidae, SNAPPERS

Lutjanus synagris

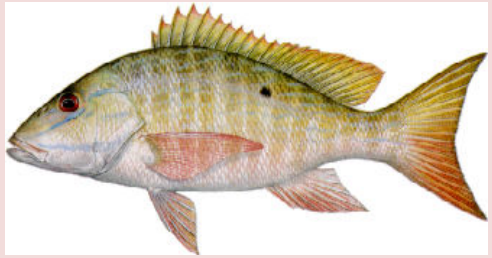
Mahogany Snapper



Family Lutjanidae, SNAPPERS

Lutjanus mahogoni

Mutton Snapper



Family Lutjanidae, SNAPPERS

Lutjanus analis

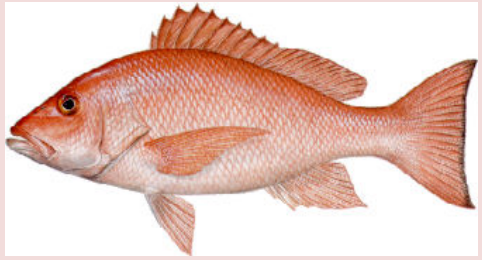
Queen Snapper



Family Lutjanidae, SNAPPERS

Etelis oculatus

Red Snapper



Family Lutjanidae, SNAPPERS

Lutjanus campechanus

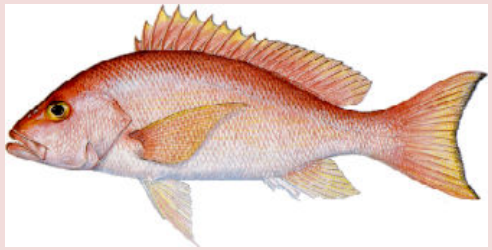
Schoolmaster



Family Lutjanidae, SNAPPERS

Lutjanus apodus

Silk Snapper



Family Lutjanidae, SNAPPERS

Lutjanus vivanus

Vermilion Snapper



Family Lutjanidae, SNAPPERS

Rhomboplites aurorubens

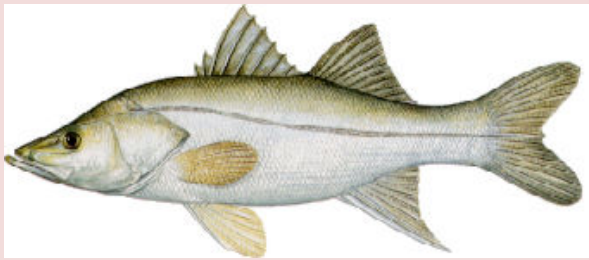
Yellowtail Snapper



Family Lutjanidae, SNAPPERS

Ocyurus chrysurus

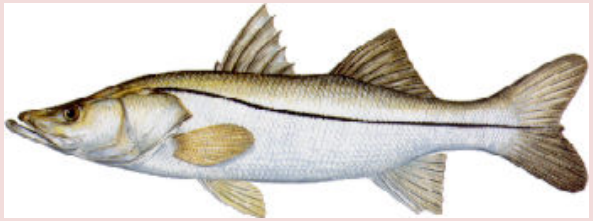
Fat Snook



Family Centropomidae, SNOOKS

Centropomus parallelus

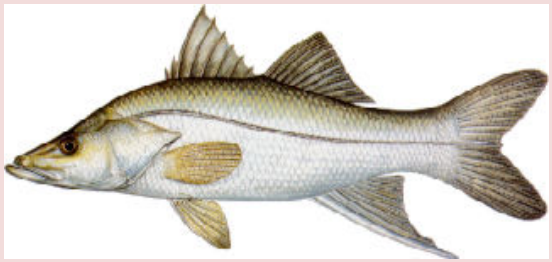
Common Snook



Family Centropomidae, SNOOKS

Centropomus undecimali

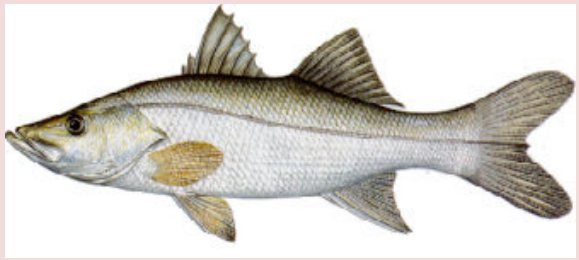
Swordpine Snook



Family Centropomidae, SNOOKS

Centropomus ensiferus

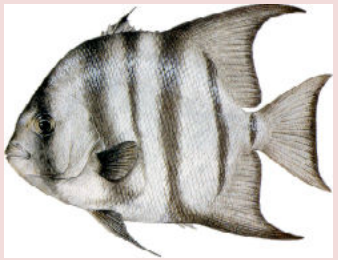
Tarpon Snook



Family Centropomidae, SNOOKS

Centropomus pectinatus

Atlantic Spadefish



Family Ephippidae, SPADEFISHES

Chaetodipterus faber

Swordfish



Family Xiphiidae, SWORDFISHES

Xiphias gladius

Tarpon



Family Elopidae, TARPONS

Megalops atlanticus

Ladyfish



Family Elopidae, TARPONS

Elops saurus

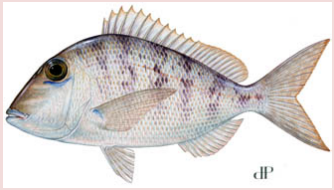
Sheepshead



Family Sparidae, PORGIES

Archosargus probatocephalus

Jolthead Porgy



Family Sparidae, PORGIES

Calamus bajonado

Knobbed Porgy



Family Sparidae, PORGIES

Calamus nodosus

Pinfish



Family Sparidae, PORGIES

Lagodon rhomboides

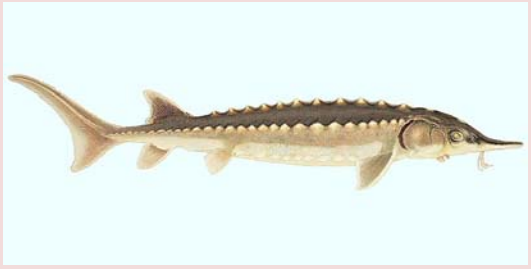
Red Porgy



Family Sparidae, PORGIES

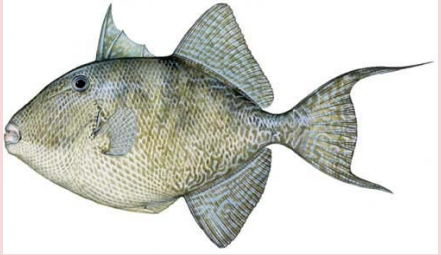
Pagrus pagrus

Gulf (Atlantic) Sturgeon



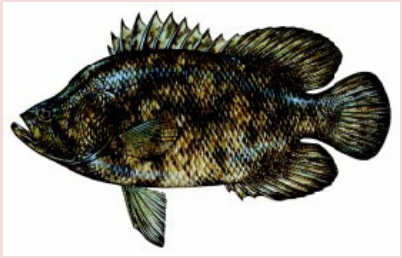
Acipenser oxyrinchus desotoi

Gray Triggerfish



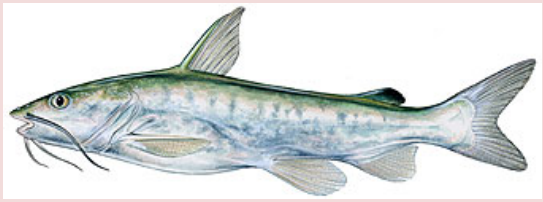
Balistes capriscus

Tripletail



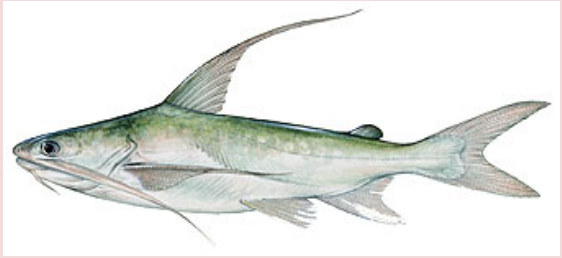
Lobotes surinamensis

Hardhead Catfish



Arius felis

Gafftopsail Catfish



Bagre marinus



Turtle Identification

Green Sea Turtle

Chelonia mydas



Green sea turtles have finely serrated jaws adapted for a vegetarian diet of sea grasses and algae. As adults, these are the only herbivorous sea turtles. Green sea turtles are mainly carnivorous from hatching until juvenile size; they then progressively shift to an herbivorous diet. Second most common sea turtle in Volusia county.

Hawksbill Sea Turtle

Eretmochelys imbricata



A hawksbill has a narrow head with jaws meeting at an acute angle, adapted for getting food from crevices in coral reefs. They eat sponges, tunicates, shrimps, and squids.

Loggerhead Sea Turtle

Caretta caretta



Loggerheads' adapted for crushing and grinding. Their diet consists primarily of crabs, molluscs, shrimps, jellyfish, and vegetation. Most common sea turtle in Volusia county.

Kemp's Ridley Sea Turtle

Lepidochelys kempii



Ridleys' jaws are adapted for crushing and grinding. Their diet consists primarily of crabs, molluscs, shrimps, jellyfish, and vegetation.

Leatherback Sea Turtle

Dermochelys corfacea



Leatherbacks have delicate scissor-like jaws that would be damaged by anything other than their normal diet of jellyfish, tunicates, and other soft-bodied animals. The mouth cavity and throat are lined with *papillae* (spine-like projections) pointed backward to help them swallow soft foods. Third most common sea turtle in Volusia county.

Flatback Sea Turtle

Natator Depressus



Flatback turtles are omnivores, feeding on a variety of prey including sea cucumbers, jellies, soft corals, shrimp, crabs, molluscs, fish, and seaweed. The flatback has the smallest distribution of all sea turtles species and only breeds and nests in Australia.

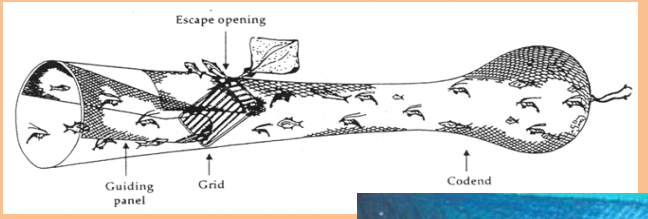
Olive Ridley Sea Turtle

Lepidochelys olivacea



The Olive Ridley's diet includes crabs, shrimp, lobsters, jellyfish, mollusks, and tunicates, and algae.
The olive Ridley occurs worldwide in tropical and warm temperate ocean waters. The Olive Ridley occurs within the tropical regions of the Pacific, Atlantic, and Indian Oceans.

Turtle Excluder Device (TED)



Turtle Excluder Device (TED) is a device fitted to a net or modification that allows turtles to escape immediately after capture in the net.

