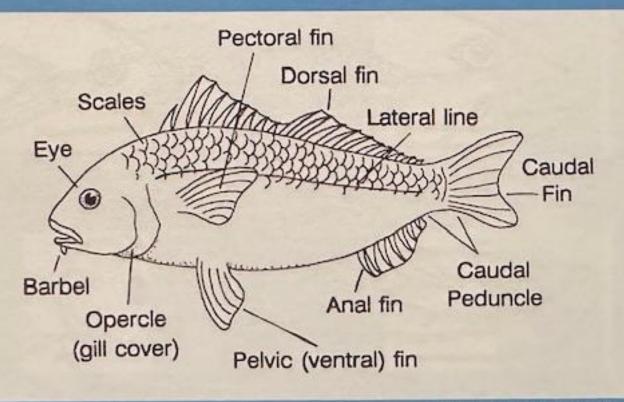
CHARLOTTE HARBOR

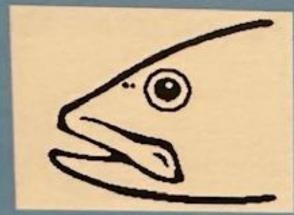


Saltwater Fish - Morphology

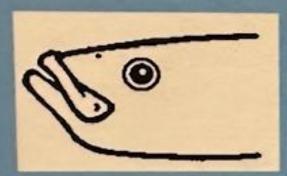


Source: Rookery Bay NERR

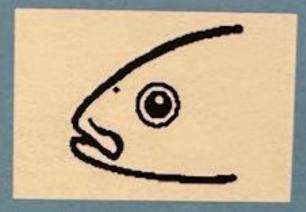
Fish Mouths - Feeding Adaptations



Large mouths: large prey; filter feeders



Upturned mouths: surface and bottom ambush feeders



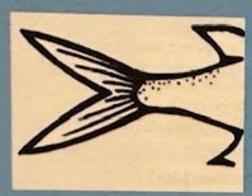
Small mouths: small prey; omnivores



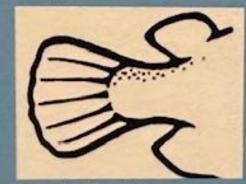
Downward mouths: bottom feeders; gleaners

Source: Seaworld

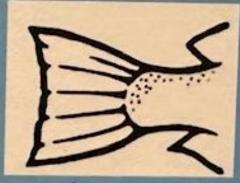
Fish Tails – Swimming Adaptations (tail fin = caudal fin)



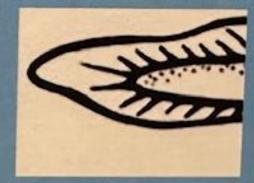
Deeply forked tails: strong, fast, long distance



Rounded tails: Slow, weak, short distance



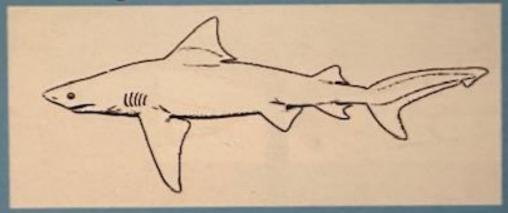
Squared, truncate tails: strong, slow swimmers



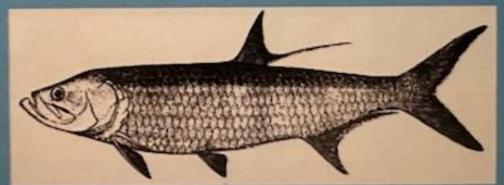
Elongate, continuous: slow, eel-like, maneuver cover, crevices Source: Seaworld

Major Evolutionary Classes of Fish ² major groups

Cartilaginous Fishes (elasmobranchs)



Bony Fishes



Source NEFSC

Cartilaginous Fishes wøjcik

SAWFISH



Sawfish Are Endangered Respect • Release • Report Sawfish are protected by State and Federal laws: It is illegal to harm, harvest, or handle sawfish You Can Help Save Smalltooth Sawfish **Angler Guidance: Diver Guidance:** ► Release sawfish immediately ► Keep your distance ► Never lift from the water or drag ashore Avoid disturbing sawfish ► Do not use gaffs or ropes to secure ► Do not chase or pursue ► Cut the line as close to the hook as possible ► Never feed or touch **Share Information About Your Encounter** 1-844-4SAWFISH www.SawfishRecovery.org The information you provide helps scientists track sawfish recovery



SNOOK







shutterstock

MANGROVE



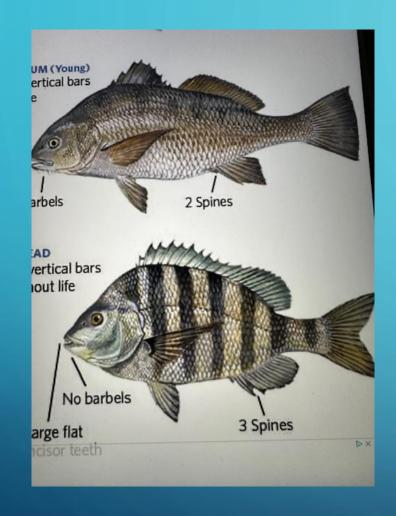
shutterstock

PINFISH



CREATURE



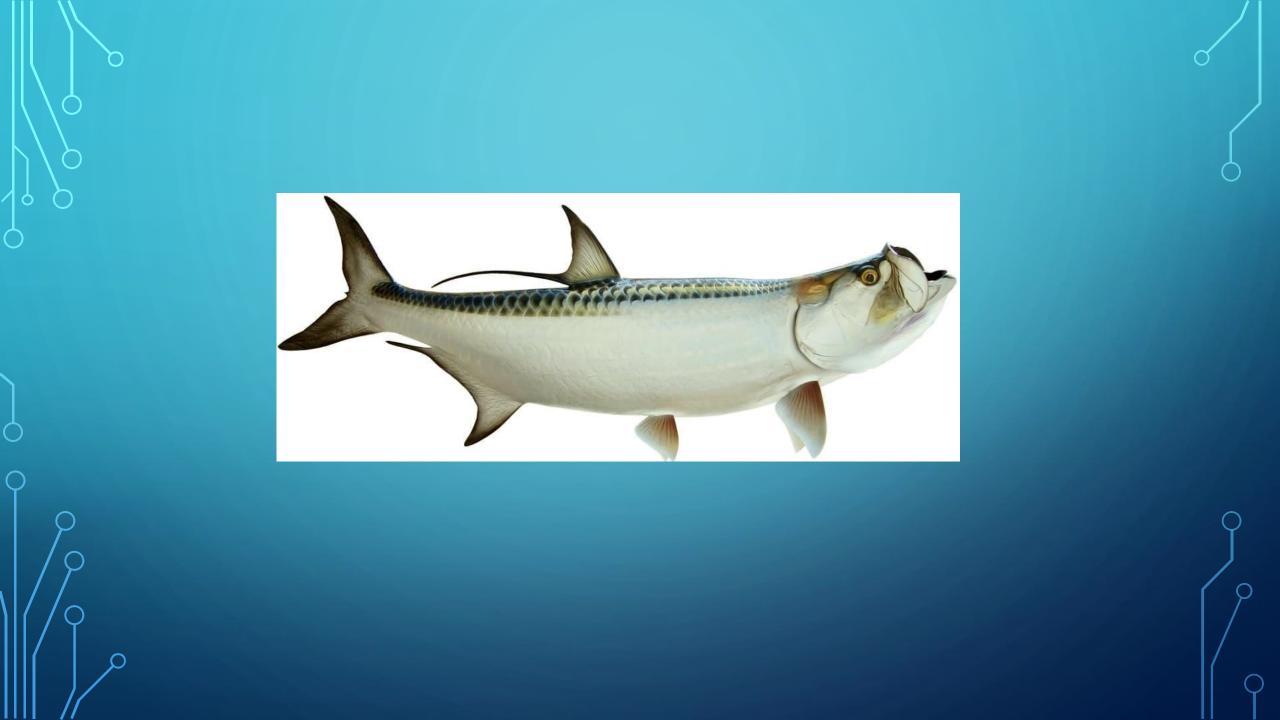




MULLET



TARPON Florida Insider Fishing Report



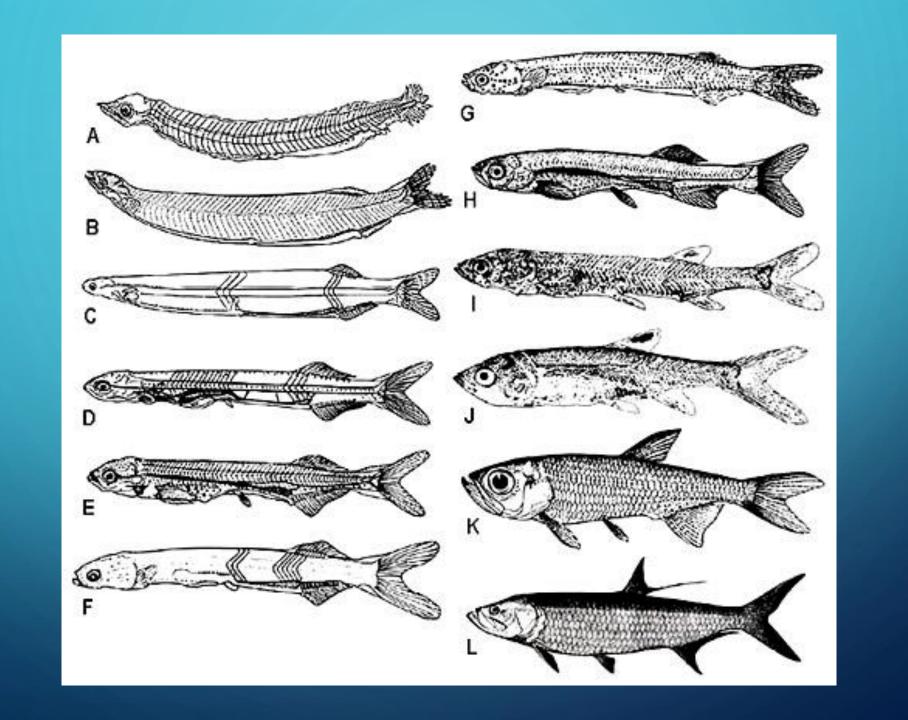


Atlantic Tarpon Adaptations

- Ability to breathe free air through swim bladder as well as breathing with gills
 - Complex eyes and changes with age
- Migration triggered by ambient water temperature

 Reproductive Characteristics and Adaptations of Atlantic tarpon

- Catadromous reproduction
- High fecundity 12 million eggs
 - Leptocephalus larval stage
 - Physiology of larvae





AMERICAN SHAD ALOSA SUPIDISSMA



ANADROMOUS FISH IN FLORIDA

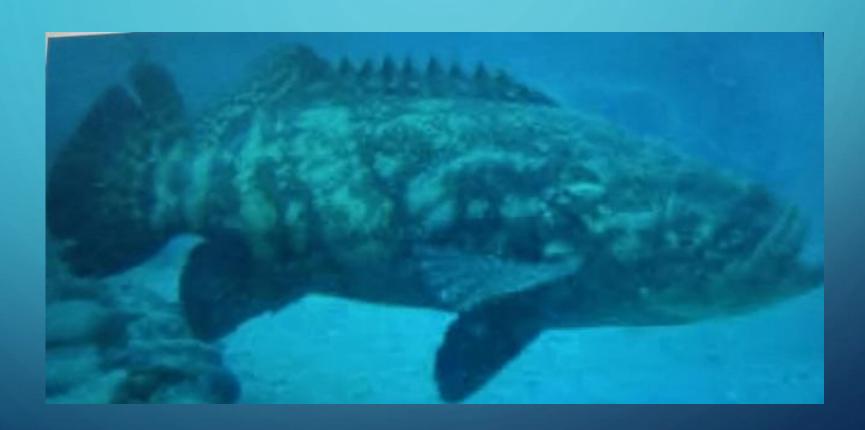
Florida has 1 species of anadromous fish the American shad, *Alosa sapidissma*.

These fish spawn in Northeast Florida in the St Johns and Nassau Rivers and migrate out to sea for their adult lives

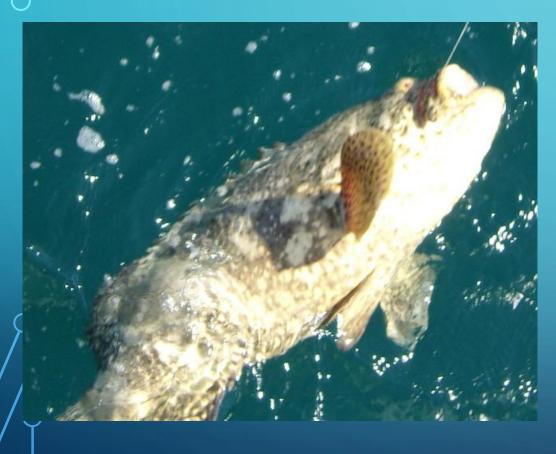


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GOLIATH GROUPER

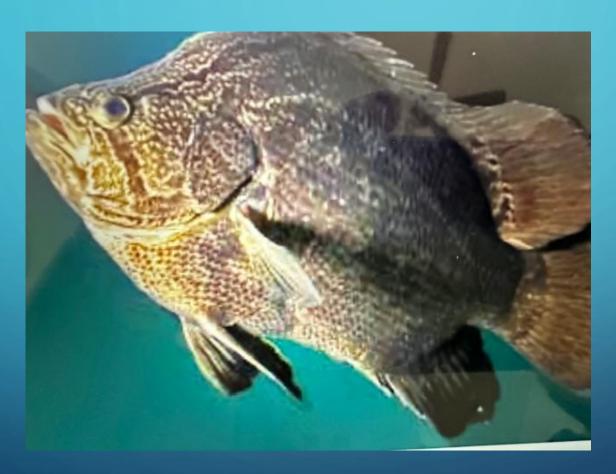


GOLIATH GROUPER





TRIPLETAIL



RED DRUM





REDFISH TAIL SPOT



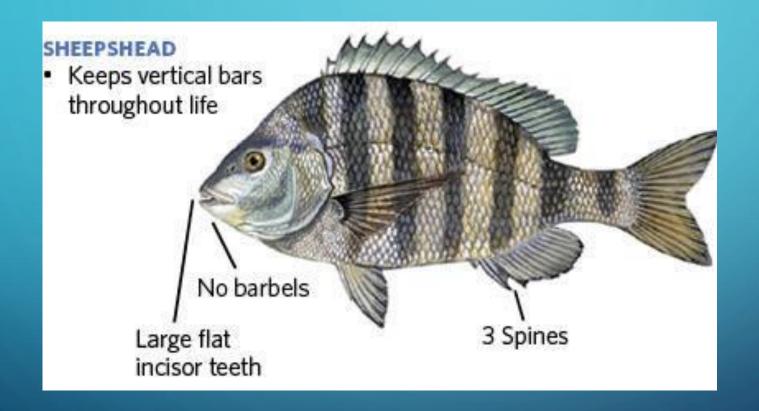
LADYFISH



PINFISH



BLACK DRUM



SPECKLED TROUT



TAGGED HOGFISH



Tarpon Postcard

