



# RISING TIDE



What is a  
**FLOATING  
ISLAND??**

Meet the  
**GOBLIN  
SHARK...**

LOOKS AS SCARY  
AS IT SOUNDS!



YELLOWFIN  
**TUNA**  
**STRONG,  
FAST &  
TASTY!**

**PLUS**  
COOL STUFF & ACTIVITIES...





# RISING TIDE

The largest marine conservation group of its kind, Coastal Conservation Association (CCA) is a non-profit organization made up of 17 coastal state chapters. CCA has been active in almost every national fisheries debate for decades and has been a driving force in state and federal fisheries management issues. With your continued support, CCA will continue to battle for the health and longevity of our coastal fisheries and for recreational anglers' interests in them.

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Learn all about this beautiful fish, and hear angler Christian Tabor's great fishing story.

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We have highlighted a cool book, toy and activity for you to try.

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These structures could help save America's wetlands, and this article explains exactly how.

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#### Kids Fishin'

Kids from all over the US show off their trophies.

COVER PHOTO BY KEVIN BEACH

# YELLOWFIN TUNA

MEET  
ANGLER  
CHRISTIAN  
TABOR...



PHOTO BY KEVIN BEACH

#### FAST FACTS: (NO FUN INTENDED)

**SPEED** Their bodies are designed for extreme speed with the lines and shape similar to those of missiles. They are able to streamline their body for faster swimming by folding their fins into special indentations. This advanced design enables the yellowfin to cruise at ten miles per hour, with bursts of speed that have been clocked at over 40 mph.

**SIZE** After one year of life, yellowfin are 8-10 pounds. Age-2 yellowfin are about 35 lbs and age-3 about 75 pounds. A four year old yellowfin averages about 130 lbs. The maximum size is over 6 feet in length and over 400 pounds in weight. The all-tackle world record yellowfin is 405 lbs, caught in Baja Sur, Mexico on November 30, 2010.

**LIFESPAN** A yellowfin's lifespan is somewhat short, likely a maximum of 6 to 7 years. Their age can be determined by counting the rings that develop in the otoliths (inner ear bones), similar to the way one counts growth rings on a tree.

**FOOD** Yellowfin will prey on whatever food is available at the time, mainly on a huge variety of finfish, squid, shrimp, and crabs. They are very good sight hunters, but can also actually smell their prey. Although they do have teeth, they usually gulp and swallow their prey whole.

**HABITAT** Yellowfin is a tropical species found in the surface waters of all warm oceans. They favor water temperatures between 64° and 88°F. They are generally found in the upper 330 feet of the water column.



#### JUNIOR WORLD RECORD YELLOWFIN TUNA



Junior angler Keith Brandner, of Tenafly, New Jersey, landed this enormous yellowfin tuna while fishing out of Puerto Vallarta, Mexico on August 7, 2010. The 15 year-old Brandner was free lining a live goggle eye when this 241 lb 4 oz yellowfin crashed on his bait. Brandner battled the fish for a tough 1 hour and 45 minutes, before landing this new male Junior record.

#### RAW IS RIGHT!

Yellowfin tuna can fight for hours nonstop and many anglers consider them to be pound for pound one of the hardest fighting fish alive. Catching such a strong fish is lots of fun, but what is the best part about catching a big yellowfin tuna? Eating it afterward! Yellowfin is flavorful when cooked, but is even better eaten raw. If you've tried it, you know how addictive it can be. If you haven't tried it, you must... you won't regret it!



#### MORE awesome ANGLERS



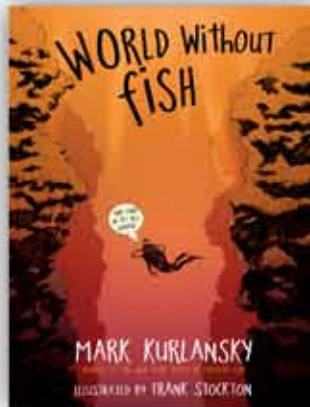
Thomas Farmer, 7 (right) and Luke Graham, 10 (left) caught these big yellowfin tuna about 130 miles offshore from Galveston Island.



# COOL STUFF TO TRY OR BUY.

## A Great Read...

### Mark Kurlansky's World Without Fish



Written by a master storyteller, *World Without Fish* connects all the dots—biology, economics, evolution, politics, climate, history, culture, food, and nutrition—in a way that kids can really relate. It describes how the fish we most commonly eat, including tuna, salmon, cod, and swordfish, could disappear within 50 years, and the domino effect it would have—oceans teeming with jellyfish and turning pinkish orange from algal blooms; seabirds disappearing, then reptiles, then mammals. It describes the back-and-forth dynamic of fishermen and scientists. It covers the effects of industrialized fishing, and how bottom-dragging nets are turning the ocean floor into a desert.

The answer? Support sustainable fishing. *World Without Fish* tells kids exactly what they can do: Find out where those fish sticks come from. Tell your parents what's good to buy, and what's not. Ask the waiter if the fish on the menu is line-caught. And follow simple rules: Use less plastic, and never eat endangered fish like bluefin tuna.



## A Great Toy... Ranger Fishin' Buddy

A remote control boat that also catches fish! Crazy, but true! With the Aviva Sports Ranger Fishin' Buddy, you can be the top angler this season! This remote control boat actually catches fish - no joke! A replica of the popular model 1860 Angler, it has two speeds, three frequencies, and high-performance twin motors. It's also powerful enough to pull your catch back to the dock. This fun gadget is sure to entertain for hours - and good luck keeping it away from mom and dad!

## A Great Activity...Easy "Sushi"

### YOU WILL NEED:

- Twinkies
- Fruit by the Foot
- Candy

**FIRST:** Unwrap Twinkies and cut into pieces small enough to be wrapped in the Fruit by the Foot.



**SECOND:** Wrap each Twinkie piece with a section of the Fruit by the Foot.



**FINALLY:** Push whatever candy you like into the filling.



# Floating Islands

How this new technology is helping save our wetlands...

### A few not-so-fun facts about why we need floating islands...

- Louisiana is losing 25 to 35 square miles of wetlands per year.
- At current land loss rates, nearly 640,000 more acres, an area nearly the size of Rhode Island, will be under water by 2050.
- Wetlands and barrier islands provide a protection barrier from strong winds and hurricanes: every 2.7 miles of wetlands absorbs one foot of storm surge.
- Between 60 and 70% of Louisiana's population lives within 50 miles of the coast. Without proper coastal restoration and protection, 2 million people are left vulnerable to life-threatening storms and hurricanes.

### WHAT IS A FLOATING ISLAND?

A Floating Island is a man-made ecosystem, that mimics naturally occurring wetlands.

### WHAT IS IT MADE OF?

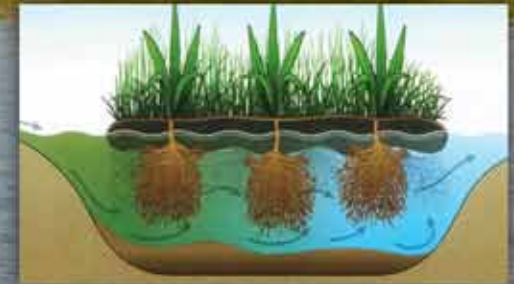
**Matrix** - Nonwoven fibers from recycled plastic drinking bottles  
**Foam** - Coast Guard approved polyurethane marine foam  
**PVC Pipe** - A frame of PVC pipe is inserted between two layers of matrix and cable is threaded through it to connect islands to one another.

### WHAT DOES IT DO?

They restore wetlands and reduce soil erosion by reducing the force of wave impacts. They mimic nature thus increasing habitat and improving water quality.

### HOW DOES IT WORK?

Peat moss is placed on the surface of the Floating Island along with natural vegetation in the plant holes. Plant roots grow through the island and form a root system to the water bottom. The plants will trap sediments and eventually grow toward and tie into the remaining marsh, strengthening it into a sustainable, flourishing mass. Additionally, as water passes through the network of hanging roots underneath the floating matrix, the plant roots remove nutrients and pollutants in the water.



# Meet the Goblin Shark

Perhaps one of the world's strangest looking sharks, the goblin shark's snout, or rostrum, sticks out from the top of his head in a hood-like fashion. It is known to grow to lengths of 12 feet and weigh as much as 350 pounds.

It has a pink cast to its skin, which is unique among sharks, due to blood vessels being close to the surface of the skin. The prehistoric-looking shark

also has a long eel-like triangular tail.

When its jaw is at rest, the goblin shark resembles a pink-gray nurse shark.

But when feeding, the goblin shark's jaw protrudes several inches away its head, looking as if an alligator's snout is protruding from the jaws of the shark.

It was first discovered off the coast of Japan in the late 19th century. Very few specimens have been seen, but they have been

sighted

in all parts of the world. They are known to exist at depths near 1000 feet below the ocean's surface and dine on deep-sea squid, crabs, and fishes.

The goblin shark derives its name from the Japanese common name for the large shark, tenguzame, which refers to tengu, the goblin-like beings of Japanese folklore that had large, bulging noses.



© Hulton / Alamy / Getty Images





# ACTIVITY TIME!

## WORD SEARCH

Find the words listed below...

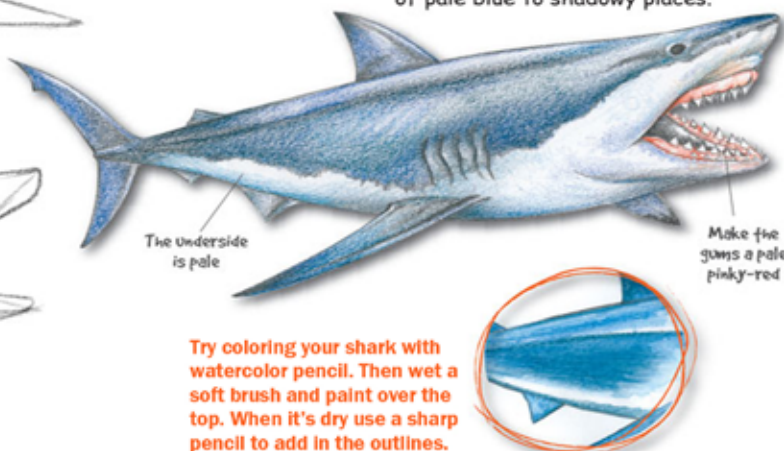
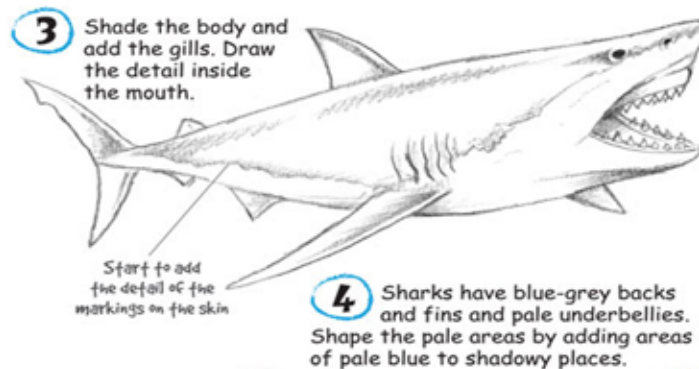
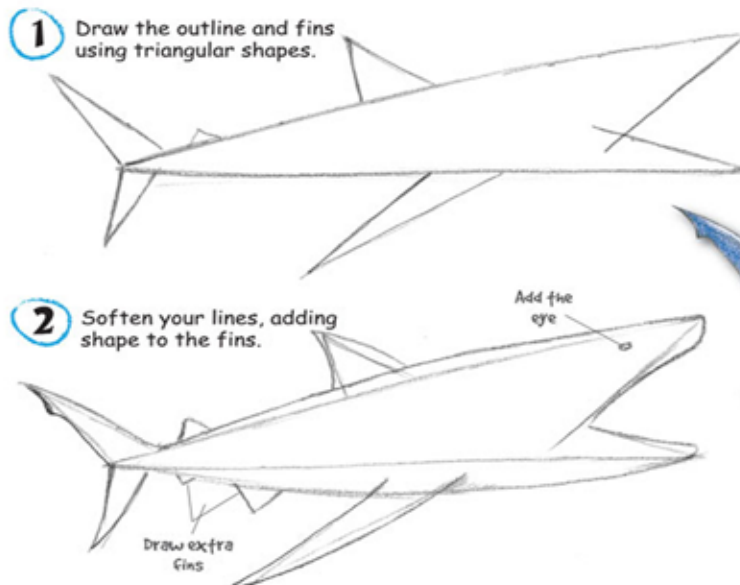
angelfish	lake
anglerfish	lateral line
aquatic	mackerel
bony	manta ray
cartilaginous	minnow
catfish	mudskipper
clownfish	ocean piranha
cod	puffer fish
cold-blooded	reef
eel	river
eggs	salmon
fins	saltwater
flounder	scales
freshwater fry	school
gills	shoal
goldfish	tiger shark
great white shark	trout
halibut	tuna
hammerhead shark	vertebrate
herring	whale shark

H M J B C A K M M I N N O W S H U B F  
C T U N A N N B A B O N Y G C A Q L R  
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## HOW TO DRAW A SHARK

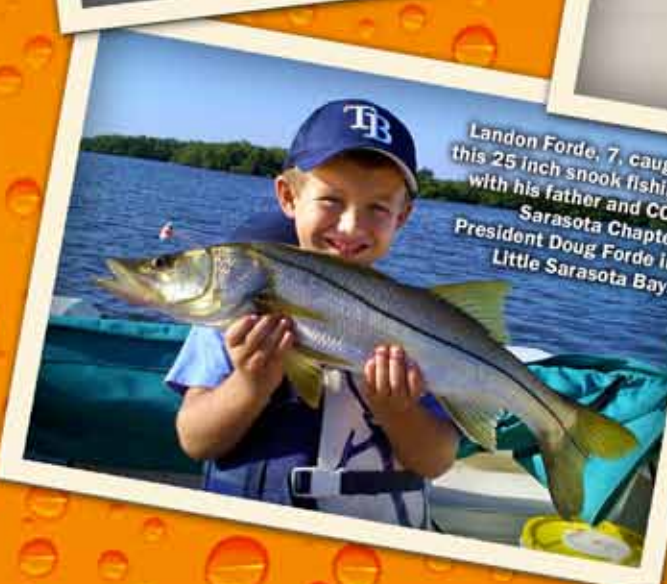
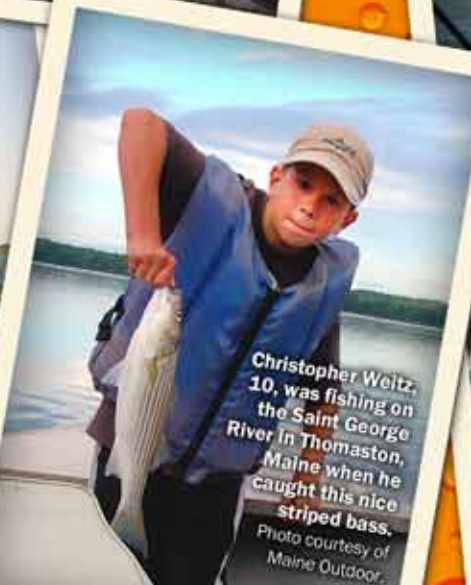
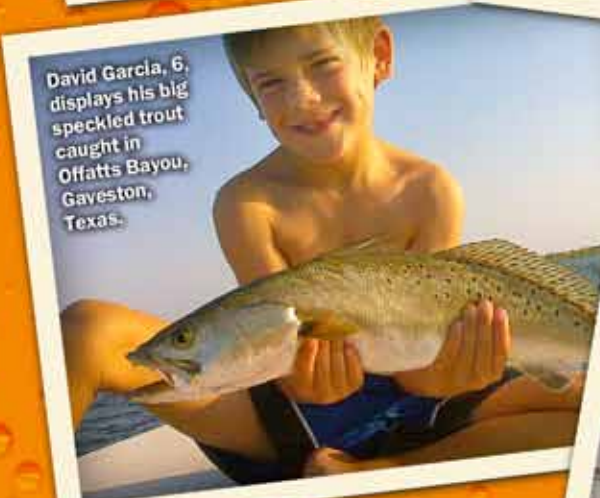
To draw this shark you will need: colored pencils

Optional: water, small paintbrush and watercolor pencils



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# KIDS FISHIN'



**Do you have a great catch that could make our KIDS FISHIN' Page?**

We bet you do! Send us your favorite photos and stories and you could be featured in the next issue of Rising Tide. It's easier than you think to become Fishin' Famous!


\* Send photos and/or stories to [hpeterek@joincca.org](mailto:hpeterek@joincca.org)





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