

COASTAL WATERS CONSORTIUM

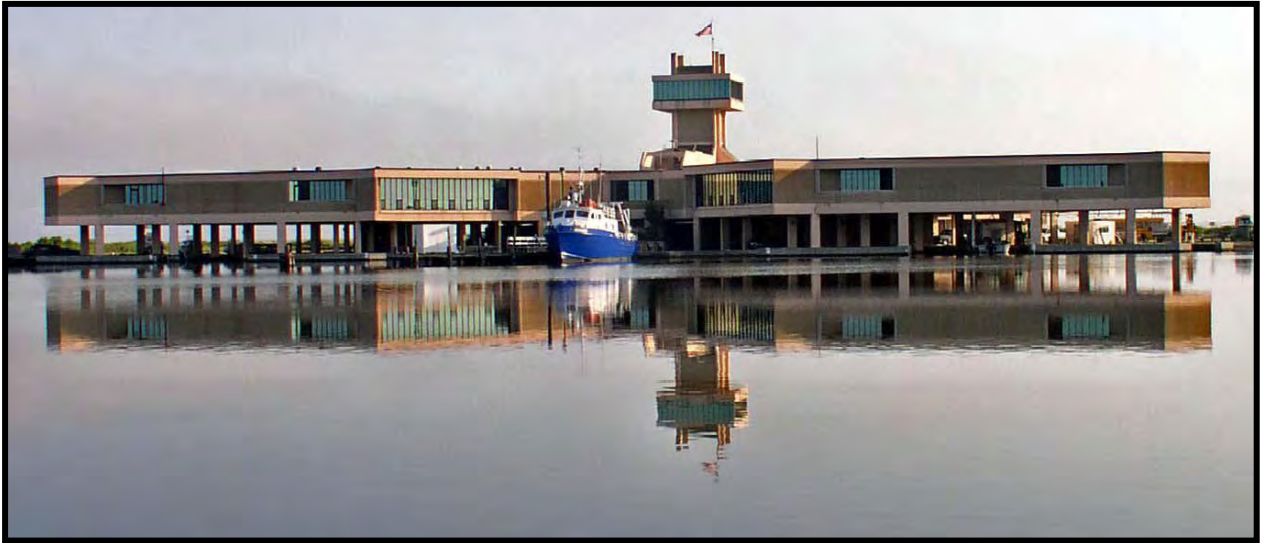


Educational Activity Booklet
Prepared by: Jessica Hernandez
Marine Education & Outreach Department

Funding provided by:



The Coastal Waters Consortium (CWC) was established in 2012 by the Gulf of Mexico Research Initiative (GoMRI). It is one of the eight consortia funded in the Gulf of Mexico to conduct research on the oil spill effects on the coastal waters, ecosystems and local communities of Southern Louisiana. Recent findings and research conducted by CWC's prime investigators are reported to the public through our education and outreach programs.



We are located in LUMCON's facilities. Picture taken by Wayne Simoneaux.

“The ultimate goal of the GoMRI will be to improve society’s ability to understand, respond to and mitigate the impacts of petroleum pollution and related stressors of the marine and coastal ecosystems, with an emphasis on conditions found in the Gulf of Mexico. Knowledge accrued will be applied to restoration and to improving the long-term environmental health of the Gulf of Mexico.”

Source: <http://gulfresearchinitiative.org/about-gomri/>

Marine Science Poetry

By Jessica Hernandez

Corals are pink
Crabs are blue
I spot a humpback whale in the Gulf of Mexico
Do you?

Draw animals you can spot in the Gulf of Mexico.

Adopt An Animal from the Marsh!

Pledge to adopt an animal from our marsh and commit to the action required to protect and save the animal you adopt! Check the box next to the animal you are adopting. Have your teacher post your pictures when you are following your pledge and acting on it to our Facebook page. A winner will be chosen randomly each week to have his/her picture featured in our "CWC" board and in our Facebook page.

Help LUMCON & CWC spread environmental awareness!



Red Drum (*Sciaenops ocellatus*)

Characteristics: dark red colored, eyespot near tail.

By adopting the Red drum I pledge to not litter near shores, water or coast.



Blue Crab (*Callinectes sapidus*)

Characteristics: undergoes seasonal migration, gender can be determined by shape of abdomen.

By adopting the blue crab I pledge to turn off water when not in use, for example when I am brushing my teeth.



Diamondback Terrapin (*Malaclemys terrapin*)

Characteristics: diamond pattern on shell, brown-greyish color.

By adopting the Diamondback Terrapin I pledge to recycle plastic bottles and use a reusable sports bottle instead.



Otter (*Lontra canadensis*)

Characteristics: playful behavior, durable and soft fur.

By adopting the Otter I pledge to take shorter showers to conserve more water.



Brown Pelican (*Pelecanus occidentalis*)

Characteristics: smallest of all pelicans, dives for its fish

By adopting the Brown pelican I pledge to pick up trash that I find near coasts and shore lines.

Your Name: _____

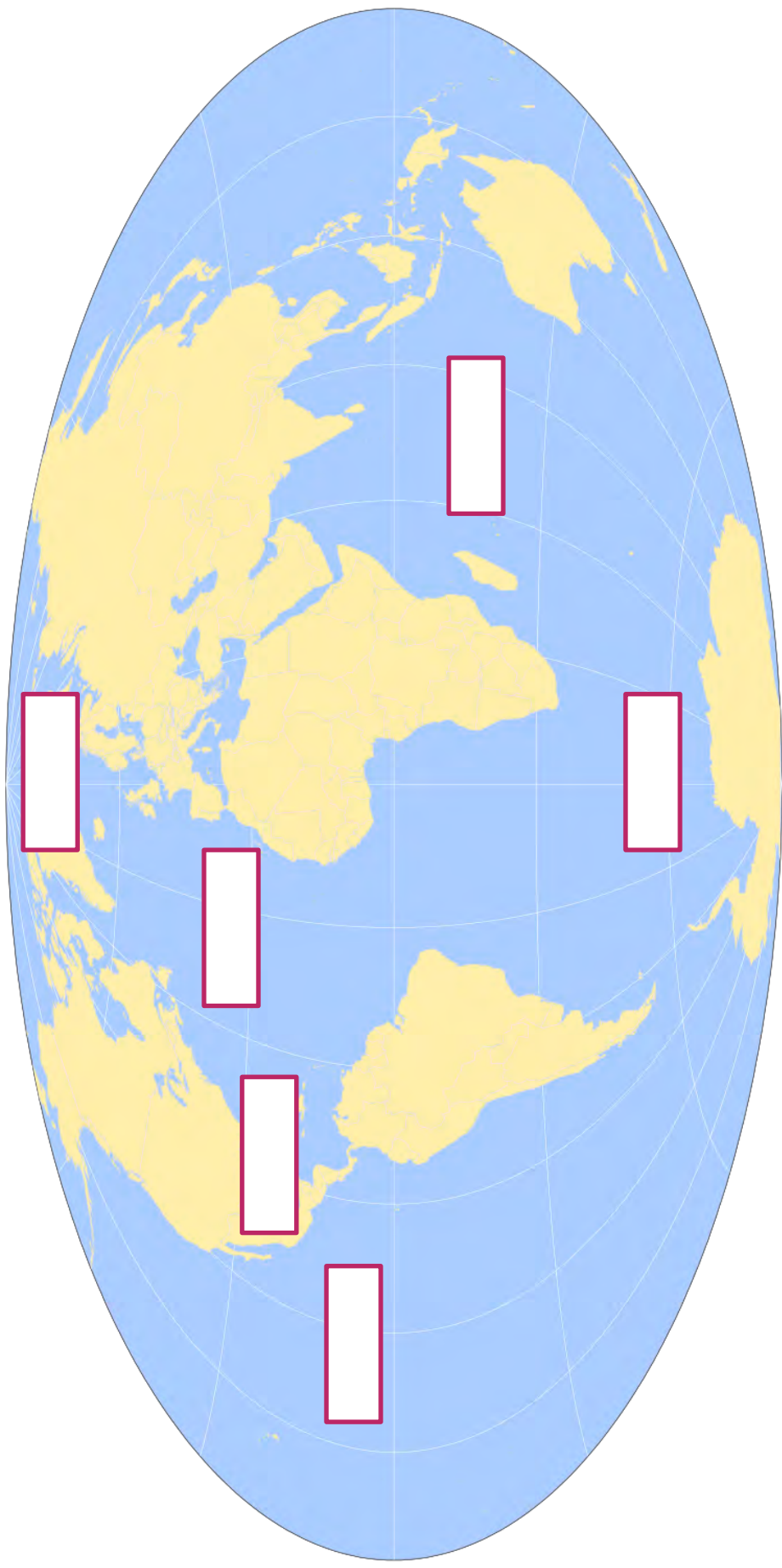
School: _____

To receive updates on the research or recent status of the animal you just adopted please visit our Facebook page and blog
<https://www.facebook.com/CoastalWatersConsortium>
www.blogcwc.weebly.com



Geographic Locations

For CWC scientists and other researchers, it is essential to understand the geographic locations of the ocean. On the map below label all five ocean basins and important bodies of waters.



- Atlantic Ocean
- Pacific Ocean
- Indian Ocean
- Arctic Ocean
- Antarctic Ocean
- Gulf of Mexico

Life in the Marsh

By Jessica Hernandez

Life in the Marsh
Can sometimes be Harsh
With Oil Spills
That ruin your Gills
Being a Fish
Is definitely not a Wish
Being a Bird
That is not Furred
Can make it difficult to fly
And make you want to cry
With all the oil that has spilled
And killed



Marine Snow "Under the Sea" Remix

Dive into the seas around you
Way down to the ocean floor
Just look at the fish around you
They are stranger than before
The strange fish around you
How do they all survive
Come join us everybody

Lets all take a dive

Marine snow

Marine snow

Dolphins, whales and all fish scales fall down deep

Up on the shore sands whips away

In the abyss its where it lays

Whale fall is floating

Particles going down to the deep

Down here all the fish are hungry

Waiting for the marine snow

While dolphins are up above

Their poop is what they love

While dolphins are swimming up high

They are for a worser fate

One day when the shark gets hungry

Guess who is going on the plate

Oh no!

Marine snow

Marine snow

Lobsters, clams, plankton and crabs all fall down deep

What we deep sea creatures like to eat

Are pieces of whale and shark meat

Life can be harder in the dark waters under the sea

Marine snow

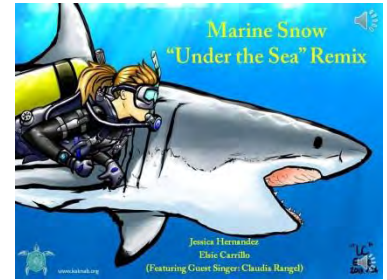
Algae and shells

Turtles and snails they are all good to eat

Good to eat

Even you guess slime all come together and combine

To form a feast for all the creatures in the deep sea



Youtube link: <http://www.youtube.com/watch?v=rJirZzfWTUs>

CWC Junior Ambassador

Certain jobs allow law enforcers to make sure fishermen and boat operators are following state and national rules and regulations . These jobs include a lot of field work patrolling fishing sites and the bodies of waters surrounding our areas.

Below is a CWC Junior Ambassador Badge. Color and cut it out to display it on the right side of your shirt. Have fun being our very own CWC Junior Ambassador of the Gulf of Mexico!

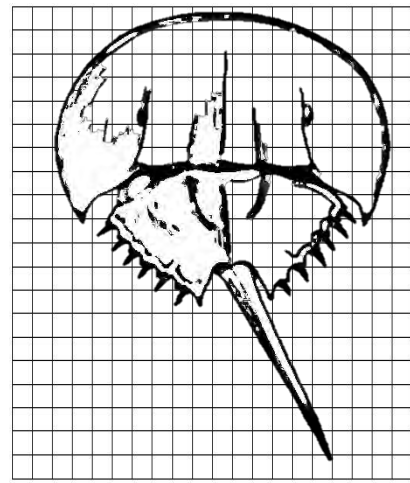


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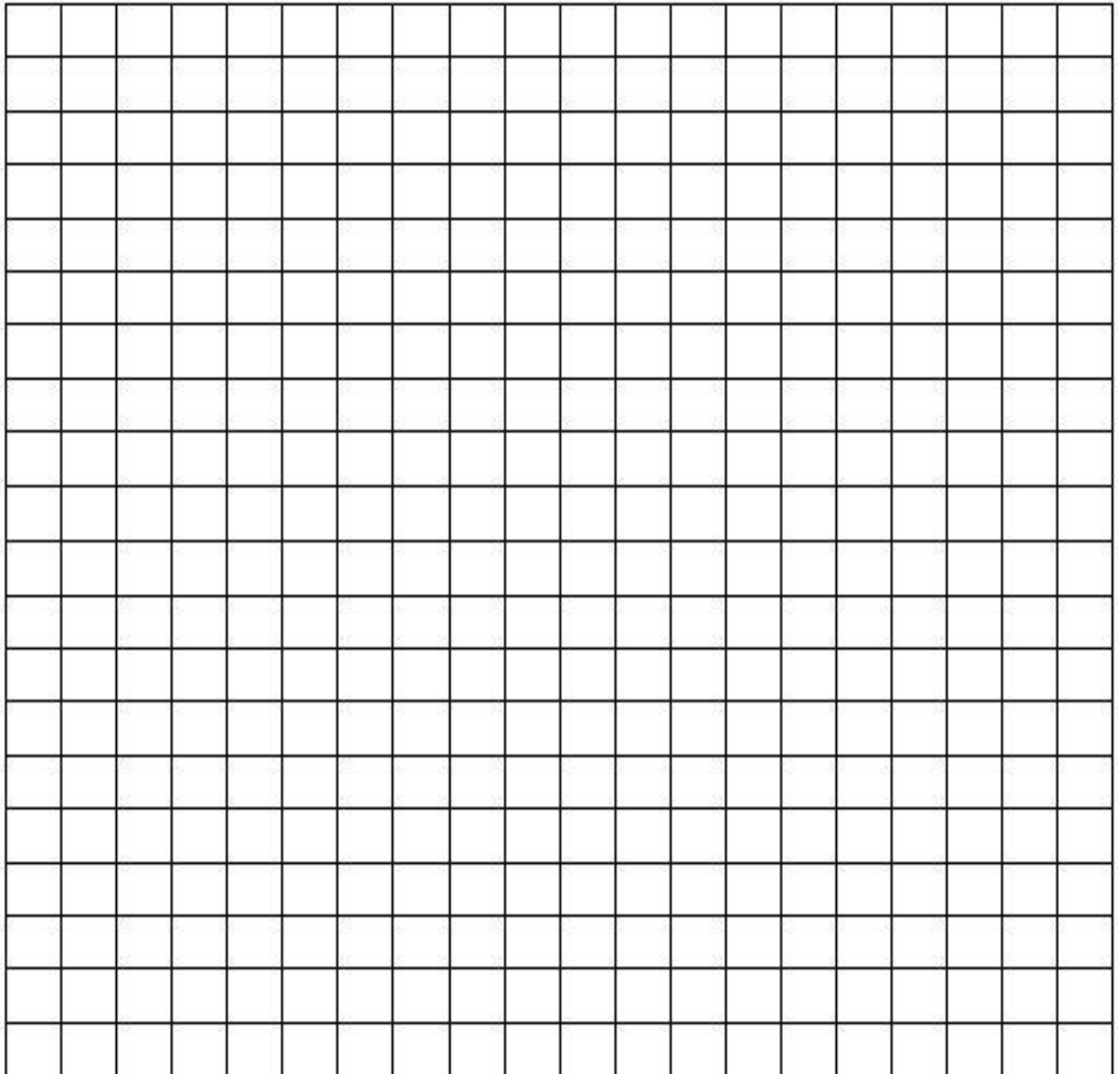
Horseshoe Crab

CWC is located at LUMCON's marine center. We house several organisms like the Horseshoe Crab. Interested in visiting our horsecrab or other animals ? We are located in 8124 Hwy 56 Chauvin, LA 73400

Characteristics: Horseshoe crabs live in shallow ocean waters. They prefer sandy or muddy bottoms and are found in the Atlantic Ocean and the Gulf of Mexico. They are marine arthropods and are considered "living fossils."



Redraw the horseshoe crab using the grid below.



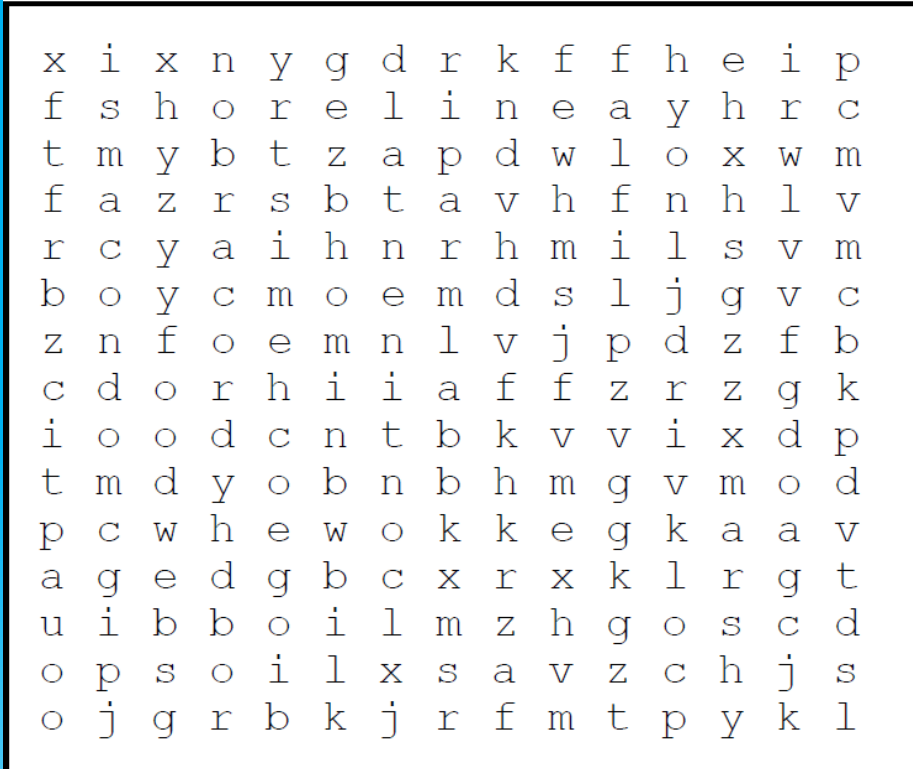
Gulf of Mexico

Unscramble the words to make a list of scientific terms used by our CWC scientists and researchers. If you do not know what one of the terms means, we suggest looking it up in the dictionary.

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Answers: 1. Oil 2. marsh 3. food webs 4. continental 5. hydrocarbon 6. sediments 7. organisms 8. wetland 9. taxonomy 10. plankton 11. Macondo 12. Coastal

Coastal Waters Consortium Word Search



Oil
Hydrocarbon

Marsh

Foodwebs
Macondo

Continental shelf
Shoreline

Soil
Biogeochemistry

Find and circle the words. They may run down, up, diagonally, and across.



© 2003 Pixar & Finding Nemo



Who Am I?

1

I live in groups called pods
I speak using clicks
Who am I?

2

I live in wetlands
Males can grow to be 16 feet
long
Who am I?

3

I can smell one drop of blood
in a million drops of water
My skeleton is made up of
cartilage- flexible with bone
Who am I?

4

I cannot pull my head into my
shell
Unfortunately, I am an
endangered species
Who am I?

1. Bottlenose dolphin 2. American Alligator 3. Bull shark 4. Green sea turtle

CWC Bookmarks

I Love the Gulf of Mexico

Cut along the lines. If preferred print this page in sturdy paper or laminate them.



www.cwc.lumcon.edu



<https://www.facebook.com/CoastalWatersConsortium>

Address: 8124 Highway 56 Chauvin, LA 70344

Marine Educator Blog: www.nlogcwc.weebly.com

Any inquiries or suggestions? Please feel to contact our Marine Education & Outreach Staff

Murt Conover
mconover@lumcon.edu

Jessica Hernandez
jhernandez@lumcon.edu



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My Pledge to the Environment



To protect and conserve our natural resources I
pledge to,

Name: _____

Date: _____

www.cwc.lumcon.edu

My Pledge to the Environment



To protect and conserve our natural resources I
pledge to,

Name: _____

Date: _____

www.cwc.lumcon.edu

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Making a Jellyfish



Materials Needed:

Paper plates
Ribbon or Paper Mache
Scissors
Coloring Markers ,crayons, colored pencils or watercolors
Googly Eyes (or draw them)
Glue

Directions:

1. Cut the paper plate in half, you will only be using one half.
2. Decorate the paper plate. Search for images of jellyfish online if you want to be precise with the characteristics. Some of the jellyfish have spots, lines, different colors and interesting features . Make them different than most jellyfish.
3. Attach the googly eyes to your jellyfish. If you do not have googly eyes you can simply draw them.
4. Draw a mouth on the jellyfish.
5. Add the tentacles. If using ribbon cut long strips. You can ask an adult to use the scissors to make the ribbon curl. Glue the strips of ribbon behind the half you decorated. If using paper Mache, cut out strips of the paper. Glue them on the back of the half you decorated.
6. **Optional:** You can add flowers, hats or other accessories to your jellyfish.

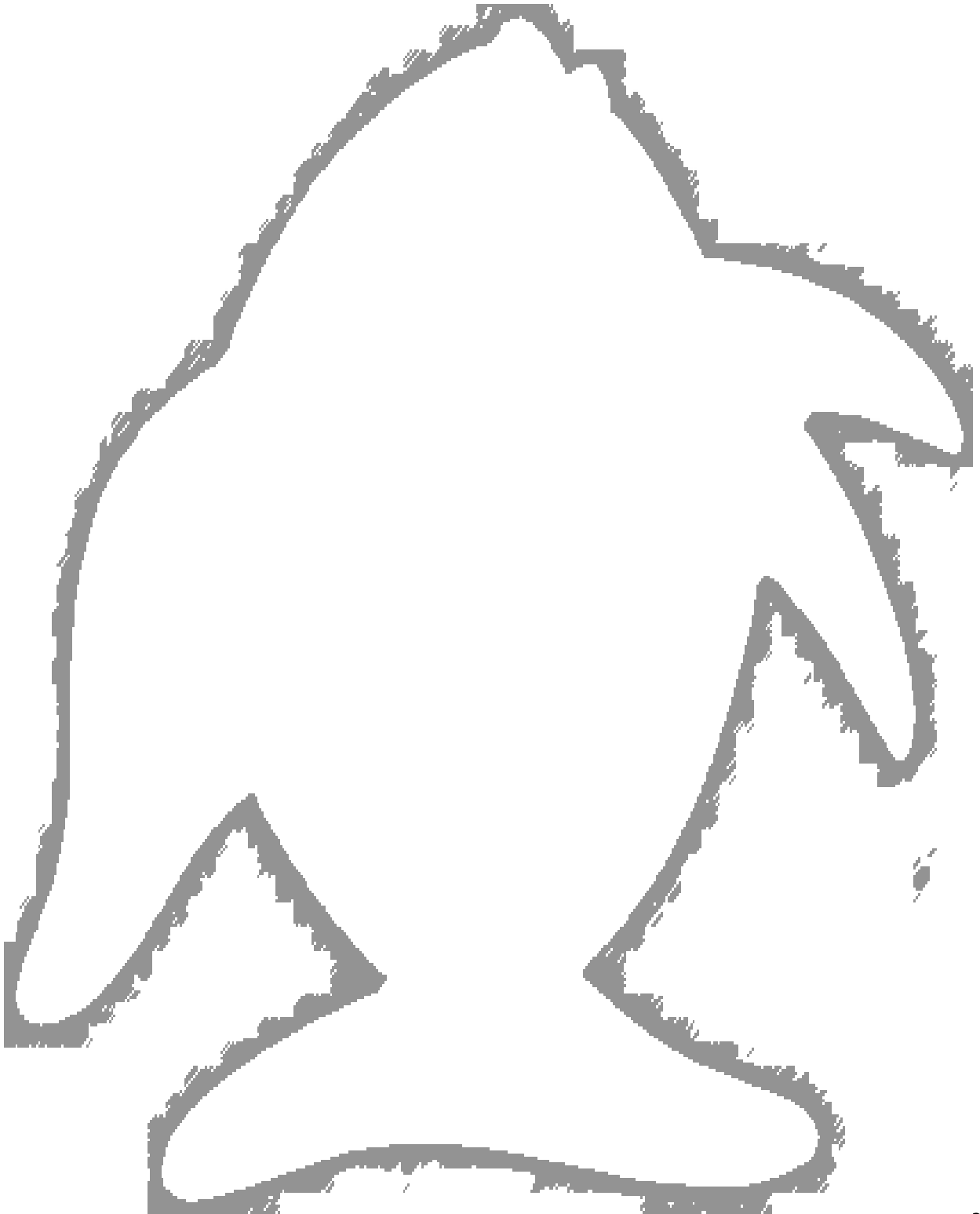


Images from Monterey Bay Aquarium in California

Fish Collage

Materials: Magazines, Scissors, Glue

Directions: Cut out the fish outline . Look through magazines and cut out pictures that remind you of the Gulf of Mexico. Paste those pictures onto the fish outline to make a collage.



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Making a Wish for the Gulf of Mexico

The Gulf of Mexico has experienced many environmental hazards like the 2010 BP Oil Spill. At CWC we want to know what your wishes are for the Gulf and how you can make those wishes come true.



If I could be granted one wish to help the Gulf of Mexico I would wish to: _____

I can help this wish come true by: _____

The Great White Egret

Directions: Complete the poem below about the Great White Egret. After you have completed your poem draw the White Great Egret in the box below.

The Great White Egret
Lives _____

It flies in the sky
And _____

It catches frogs, fish and insects
And its babies it protects

Makes a great icon
To take its pictures with a Nikon

But with an oil spill
That _____

The Great White Egret
Will _____

Draw the Great White Egret

Who Am I?

1

I am colored in dark red
I have an eyespot near my
tail
Who am I?

2

I undergo seasonal
migration
Whether I am a girl or boy
You can spot that in my
abdomen
Who am I?

3

I am a brown bird
I dive for my fish
And keep them in my long
beak
Who am I?

4

I am very playful
My fur is soft
But it is very durable as
well
Who am I?

1. Red Drum 2. Blue Crab 3. Brown Pelican 4. River Otter

Your CWC Inspired Poem

Complete your very own poem inspired by Coastal Waters Consortium (CWC).

The Gulf of Mexico
Wasn't _____

It is rich with marine life
That fishermen _____

Want to catch
and _____

From the blue water
That _____

Our pollution

To save _____
Of our seven seas

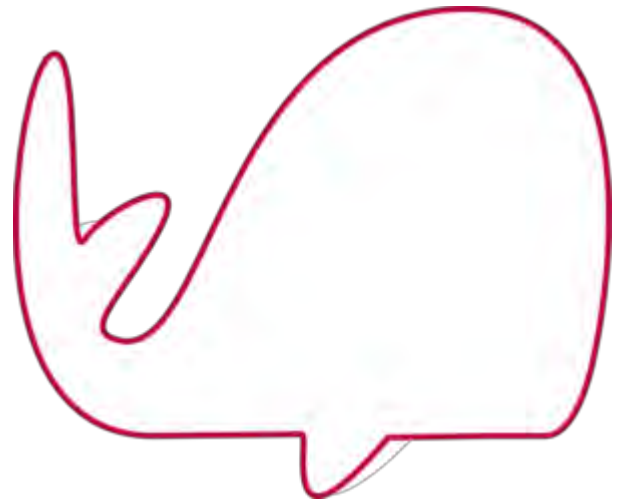
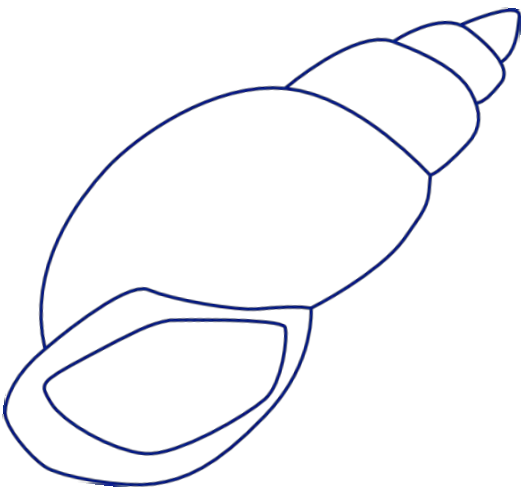
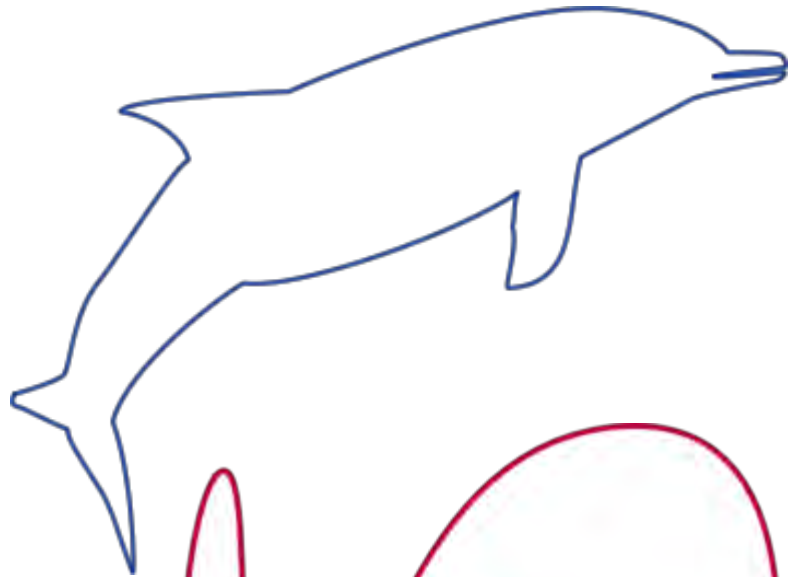
Our research in hypoxia
That could also be anoxia

Makes us a unique lab
That also has a pet _____



Marine Life

Give the animals a new look by coloring them!





CONTACT US

Any inquiries or suggestions please contact our
Marine Education & Outreach Department

Murt Conover

mconover@lumcon.edu

Jessica Hernandez

jhernandez@lumcon.edu

Educator Blog: www.blogcwc.weebly.com

Blog en Espanol: www.cwcespanol.weebly.com



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