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As the Seas Rise: How Coastal Plants and Animals Will Be Affected by Sea Level Rise

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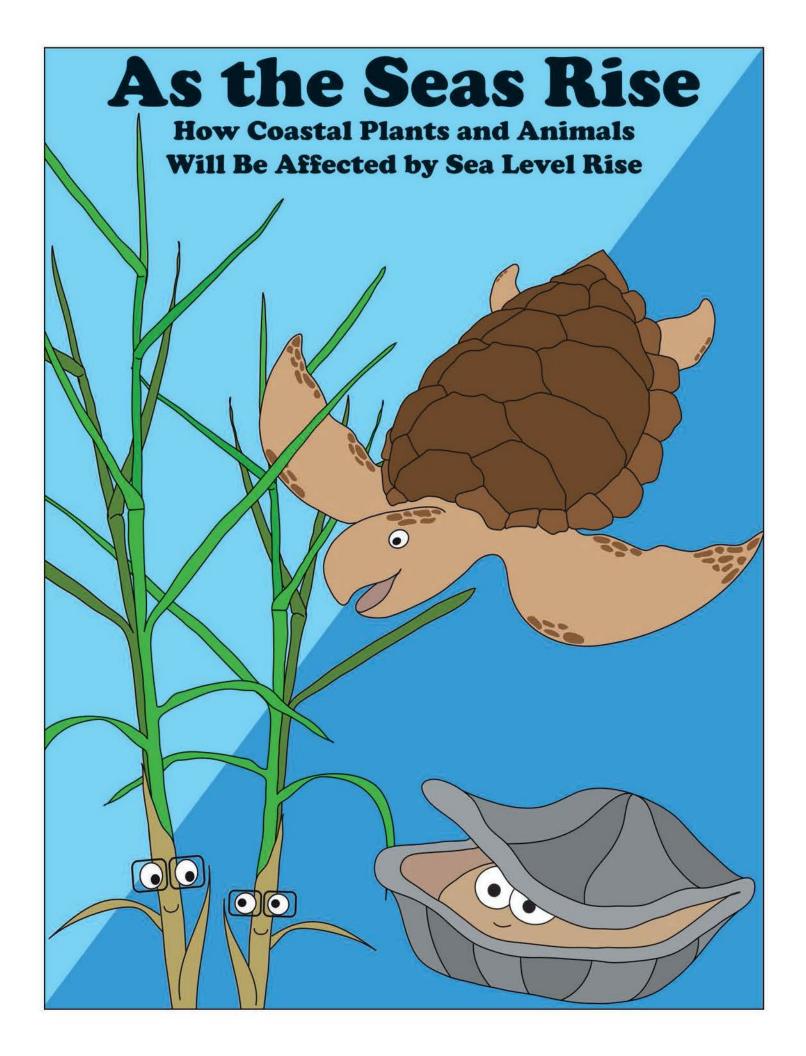
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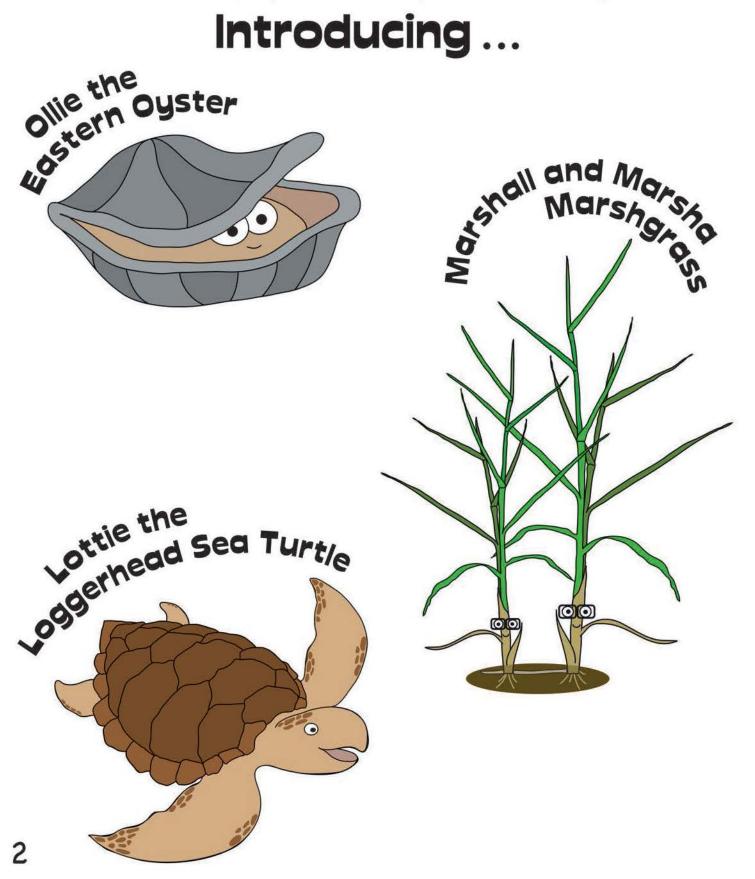
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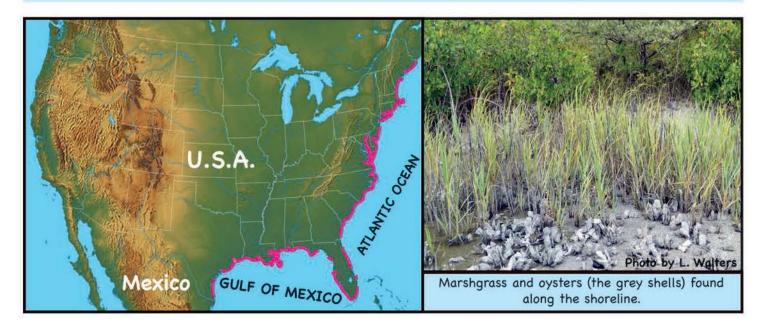
Throughout the history of our planet, the sea level is always changing. Now sea levels are rising very fast (a few millimeters each year). This rise will affect many of the plants and animals that live along our coasts. In this book, you will learn about three very important coastal species that are being affected.



Where Can You Find Them?

Ollie Oyster and Marshall & Marsha Marshgrass

Eastern oysters and marshgrass can be found along the Atlantic coast and the Gulf of Mexico (both in pink) in the intertidal (the area between high and low tides).

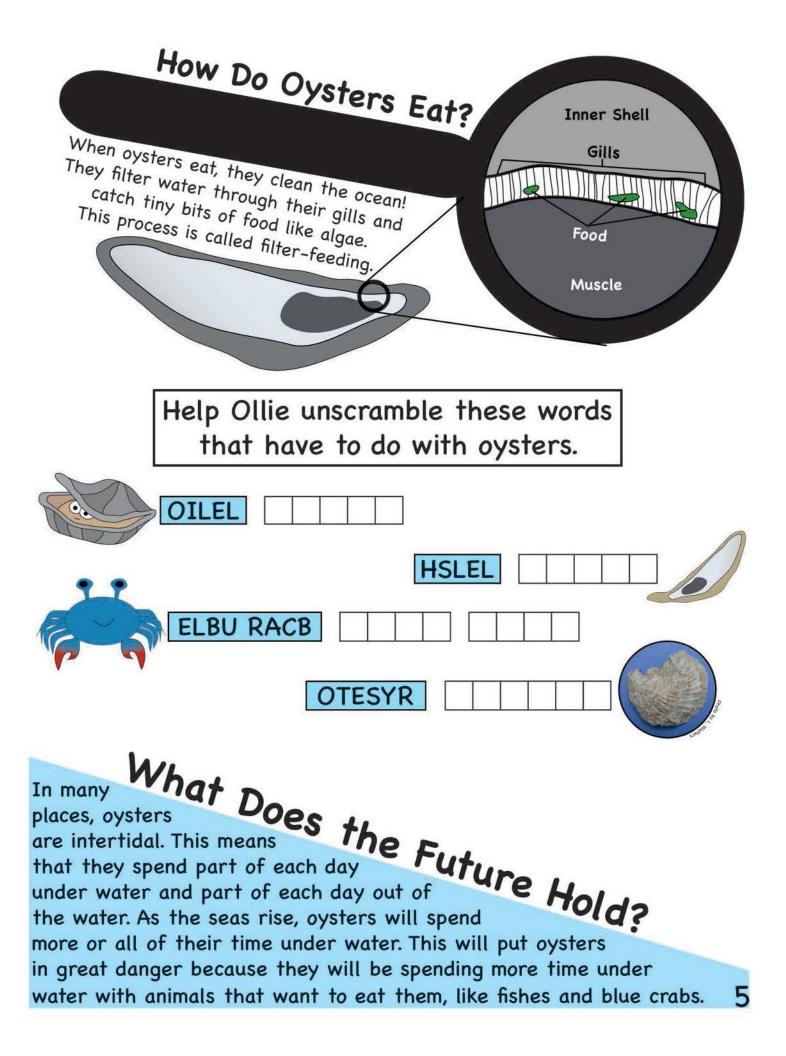


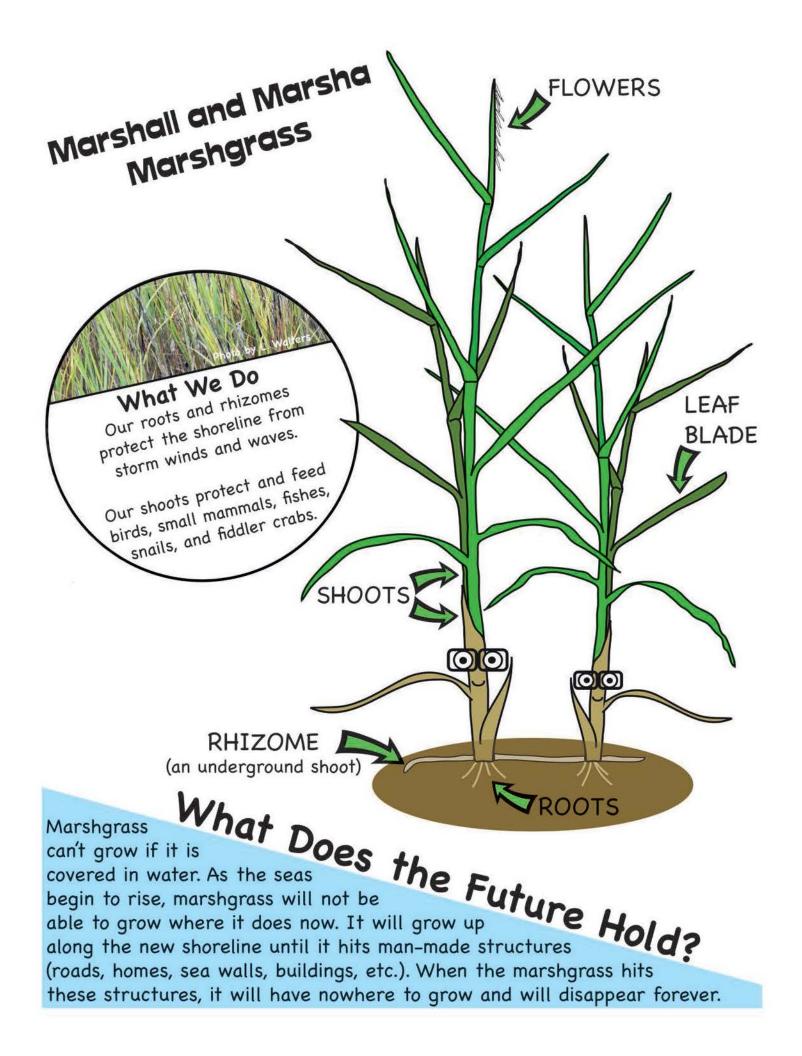
Lottie Loggerhead

In the United States, loggerheads typically lay their eggs along the Gulf of Mexico (orange) and along the Atlantic coast from south Florida to North Carolina (yellow).





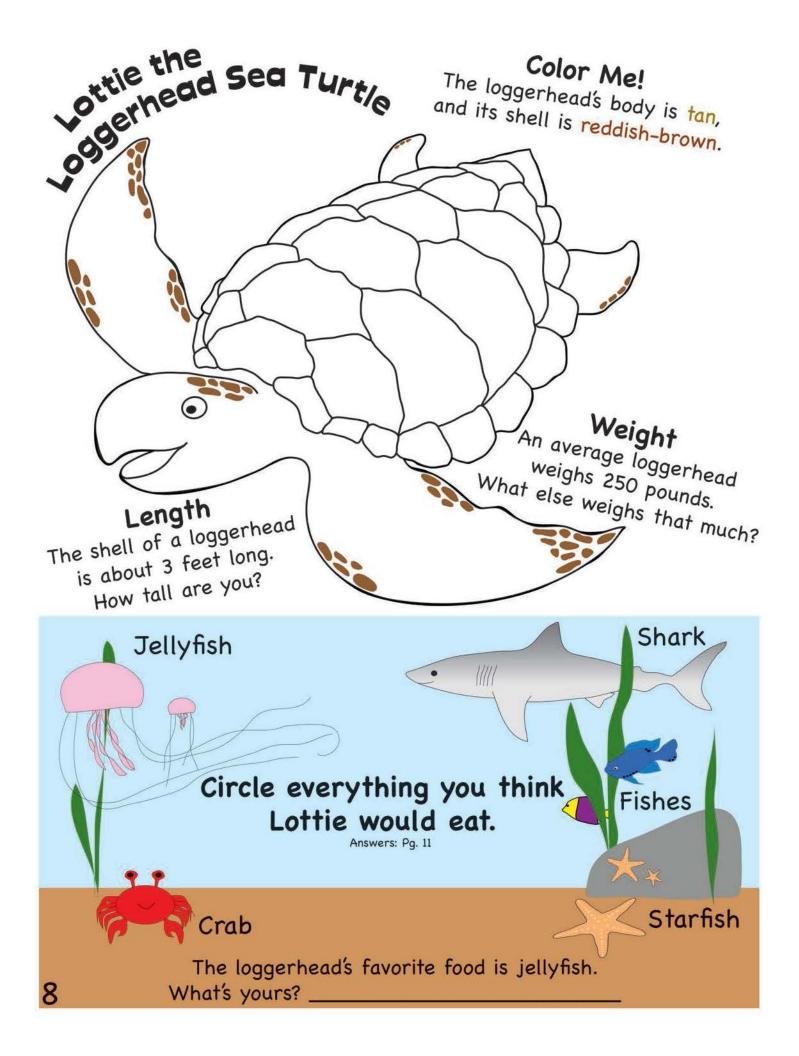


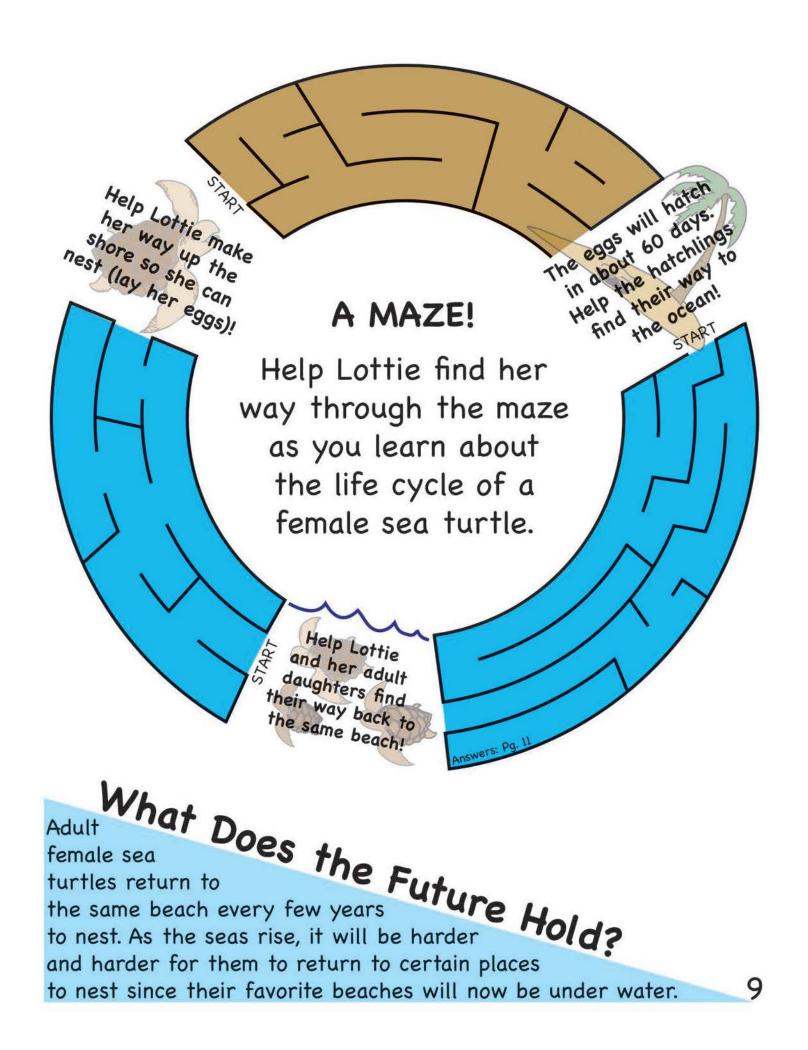


ACTIVITY

Color in the animals that benefit from marshgrass. Add your own animals to the picture!

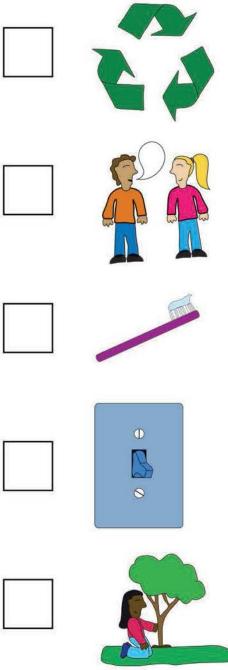






Do Your Part as a Friend of the Earth!

Check the box when you have completed a task. Have your parent/guardian help and sign when you are done!



Reduce, Reuse, Recycle

Share what you learned from this book with your friends and family

Turn off the faucet while brushing your teeth

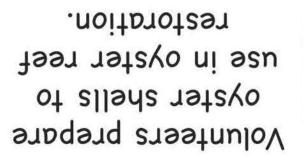
Turn off the lights when you leave a room



Volunteer! For example, help plant a native tree

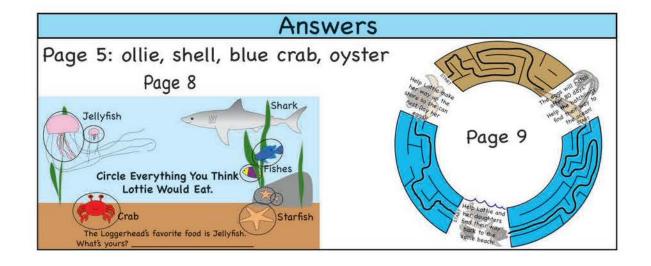
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Volunteers of all ages help plant marshgrass along the shoreline.









About the Book

Lottie the Loggerhead Sea Turtle, Marshall and Marsha Marshgrass, and Ollie the Eastern Oyster are here to tell their stories. You'll learn about each of them and how their futures are threatened by sea level rise. So read this book, and get to know your coastline!



About the Authors

Sydney Katz is the graphic designer and primary author of this book. She currently works for the UCF Biology Department creating educational outreach materials to promote environmental awareness. When not working, she volunteers with The Literacy Alliance, a nonprofit organization that promotes reading in the community. This is Katz's second published work. Her first is the companion book for fifth eighth graders and is titled *"Rising Tides."*

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Dr. Linda Walters is a Professor of Biology at the University of Central Florida, where she has been on the science faculty for 16 years. Her research focuses on protecting marine organisms – both plants and animals. She has lived underwater in NOAA's Aquarius Underwater Habitat studying coral reefs and also conducts research along Florida's coastlines to protect oyster reefs, marshgrasses and mangroves. To date, Dr. Walters and her collaborators have produced four books for children on marine conservation.

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Thank You!

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