



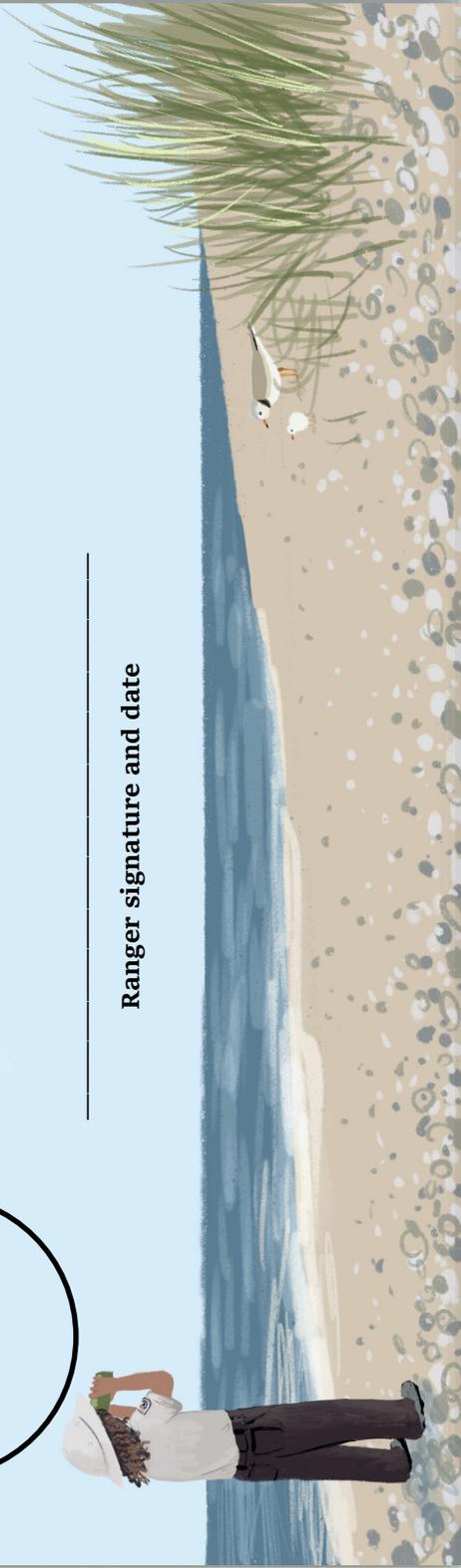
Rachel Carson National Wildlife Refuge Junior Ranger Certificate

Refuge stamp

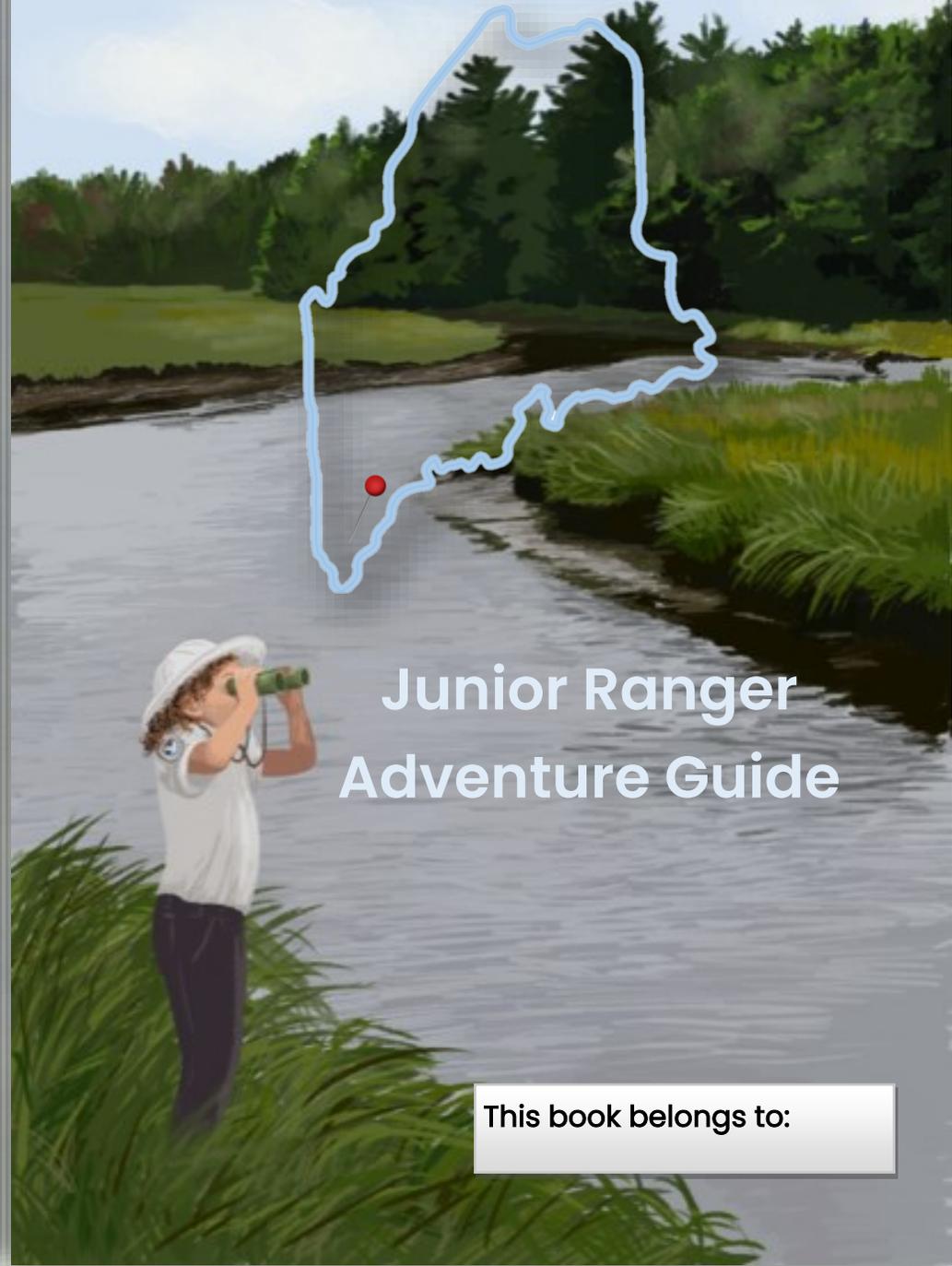


Your name

Ranger signature and date



Rachel Carson National Wildlife Refuge



Junior Ranger Adventure Guide

This book belongs to:

Becoming a Junior Ranger



Explore your world!

A junior ranger is someone who loves nature and wants to protect it. They visit national wildlife refuges and share what they learn with other people.

Choose your level!



Piping Plover

Complete 4 activities



New England cottontail

Complete 5 activities



Saltmarsh Sparrow

Complete 7 activities

Almost There!

The Junior Ranger Pledge

As a Junior Ranger, I promise to protect, preserve, and respect wildlife and habitat. While at home, I will learn about the natural world and I will share what I learn with my friends and family. I will teach others how to enjoy nature responsibly.



Congratulations! Head to the visitor center and hand your booklet to a refuge ranger so you can receive a stamp and badge.

Credits

Illustrated by Rebekah Lowell

Designed by T. Wall, Ranger, USFWS, and K. Hung, Student Conservation Association (SCA)

“Bird Search” activity adapted from Alaska Maritime National Wildlife Refuge



Draw Your Own Duck Stamp



Each year thousands of kids participate in the Federal Junior Duck Stamp Program and learn about waterfowl, wetland habitats and wildlife.



Try your hand at drawing a duck in its habitat below!

With some practice you could enter and possibly win!



Meet Rachel Carson

Rachel Carson was born and raised in Pennsylvania. She grew up reading books about nature and the sea, which gave her a lifelong interest in wildlife and nature. She worked for the U.S. Fish and Wildlife Service for 15 years as a biologist and writer.



She is most known for *Silent Spring*, which spoke against the excessive use of pesticides because of the harm they caused to wildlife.



Get to Know Miss Carson:

Gather some more information at the visitor center.

1. What was the name of Rachel's dog? _____
2. Think of a place where you enjoy nature. What do you hear _____, see _____ and smell _____ there?
3. What is something you can do to help keep that place natural? _____



Whose Feet are Those?

Animals' feet are different depending on their needs and where they live. Please help this Eastern chipmunk figure out who else lives in the forest by matching the animals to their tracks.



Red Bellied Woodpecker



White-tailed deer



New England cottontail



Wild Turkey



Rising Waters

Salt marshes are fed by ocean water. Some human activities require a lot of energy and cause global temperatures to warm, making ocean water levels rise.

As this continues, salt marshes also rise and animals such as the Saltmarsh Sparrow are less able to find a place to live. By using less energy you can help slow sea level rise.

Your turn to help!

Circle at least 2 things you can do this week to help lower energy use and slow sea level rise.



Walk or ride your bike



Turn off any lights when you leave the room



Bring a reusable bag to the store



Eat plant-based meals for a day



What else can you think of? _____

Many Melodies

There are a variety of birds living near the sea in Maine, and each has a unique song.



kor-korr-korr

Common Eider

pee-werp



Piping Plover



kyah-yah

Willet

huoh-huoh-huoh



Herring Gull

Use your imagination to create/draw a bird, what is it called? How does it sound?

Draw your bird here



What sound does it make?

What is it called?



Try Nature Journaling!

Nature journaling is a way to record your experiences in nature.

Go out and hike a trail and draw one or more living things that you see or hear!



Habitat is Home!

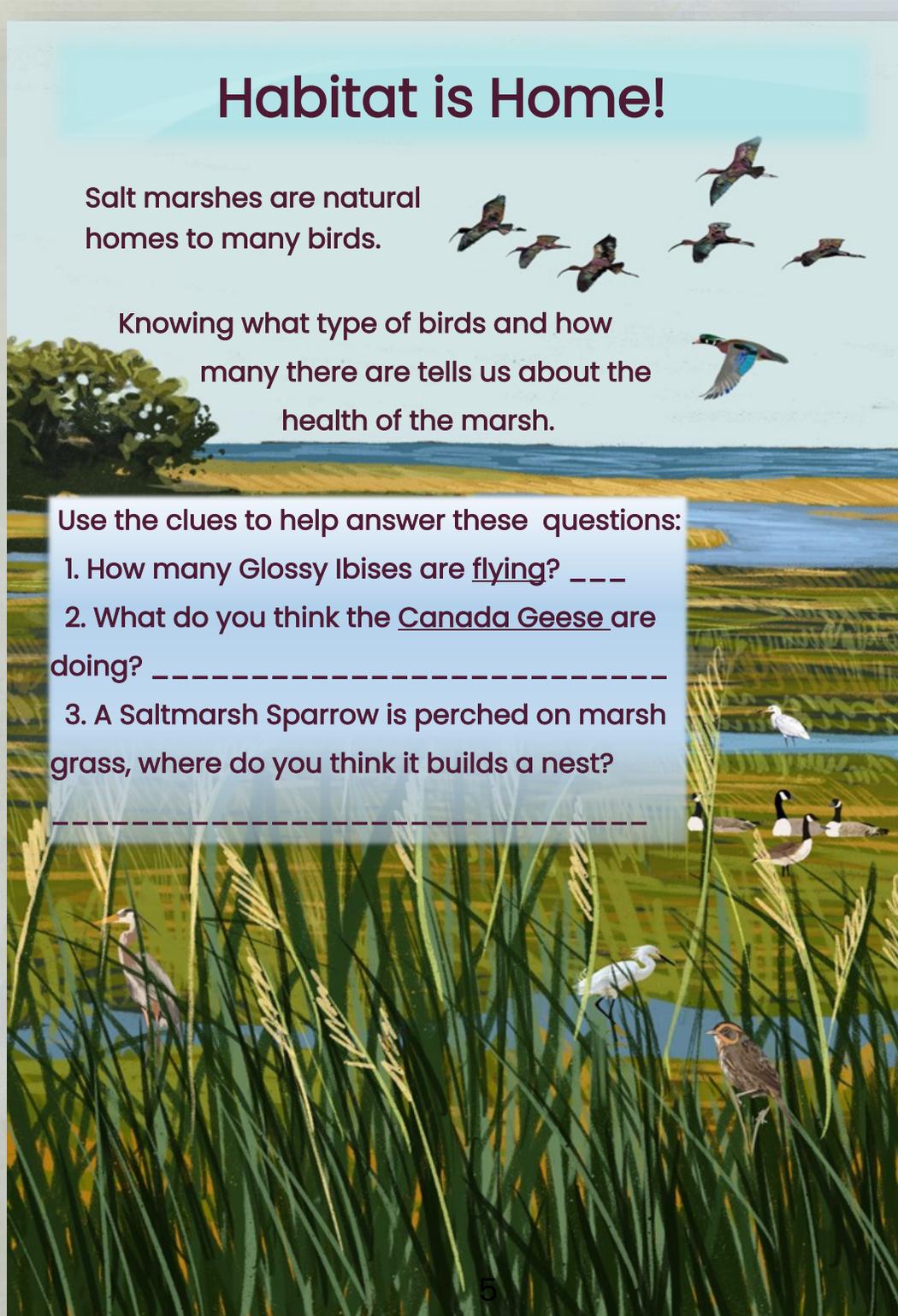
Salt marshes are natural homes to many birds.

Knowing what type of birds and how many there are tells us about the health of the marsh.



Use the clues to help answer these questions:

1. How many Glossy Ibises are flying? ___
2. What do you think the Canada Geese are doing? _____
3. A Saltmarsh Sparrow is perched on marsh grass, where do you think it builds a nest? _____



A Complete Meal

Living things need food for energy just like we do. Below are some things that live in the salt marshes.

Connect the creature to the food that you think it needs.

