

## **Forward**

This storybook was created by the Outer Banks Coastal Conservation (OBCC), a nonprofit organization whose mission is to foster environmental stewardship and a deeper connection to the Outer Banks of North Carolina through outreach, education, and conservation efforts.

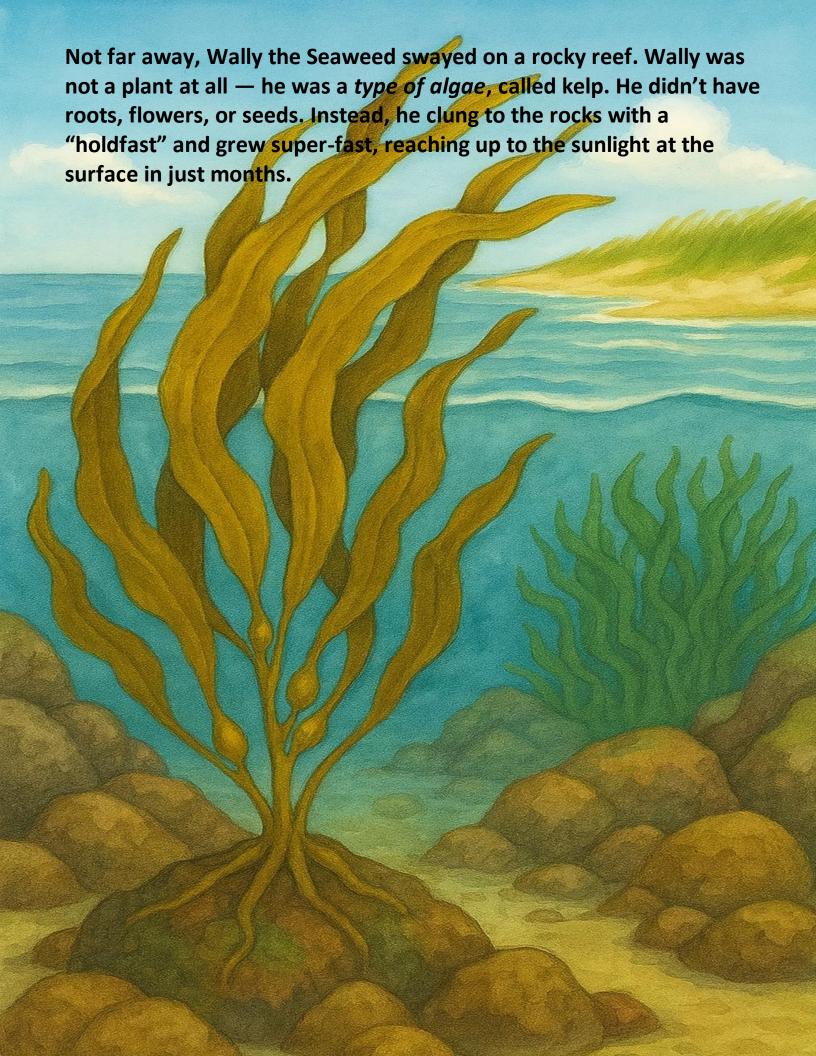
We believe that small stories can spark big change. That is why we have made this book available as a free resource for parents, teachers, and community members.

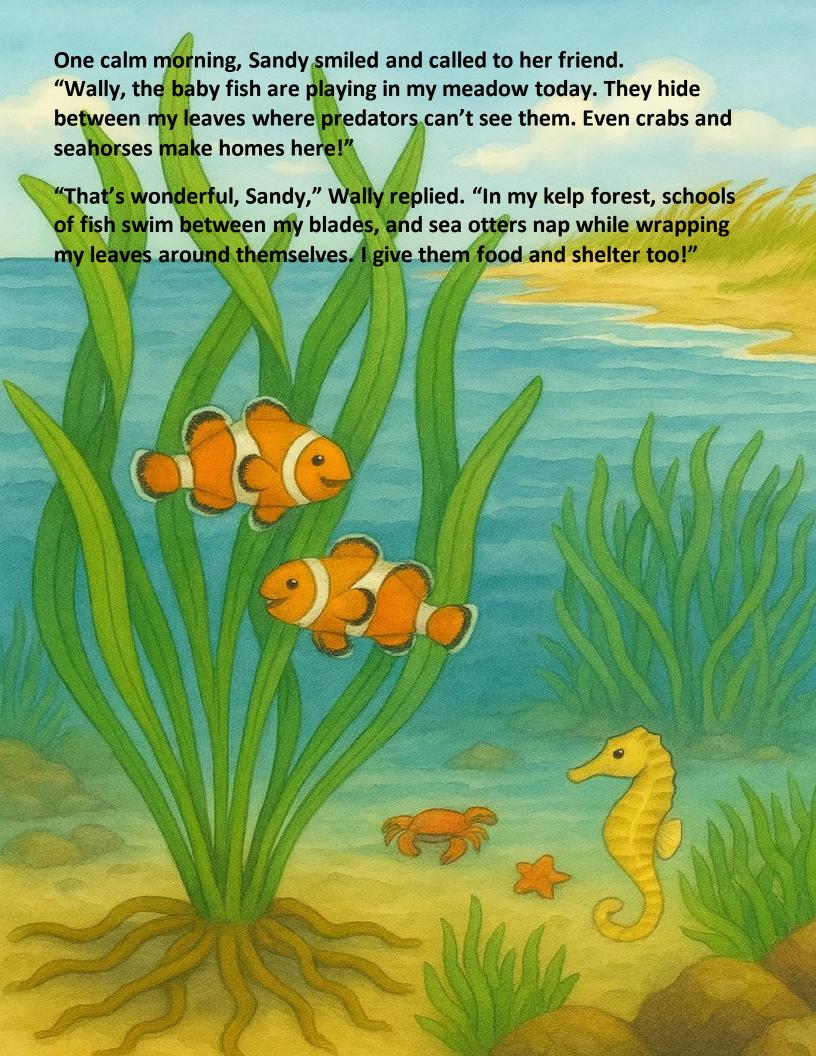
All materials in this book may be freely downloaded, shared, printed and used for educational or nonprofit purposes.

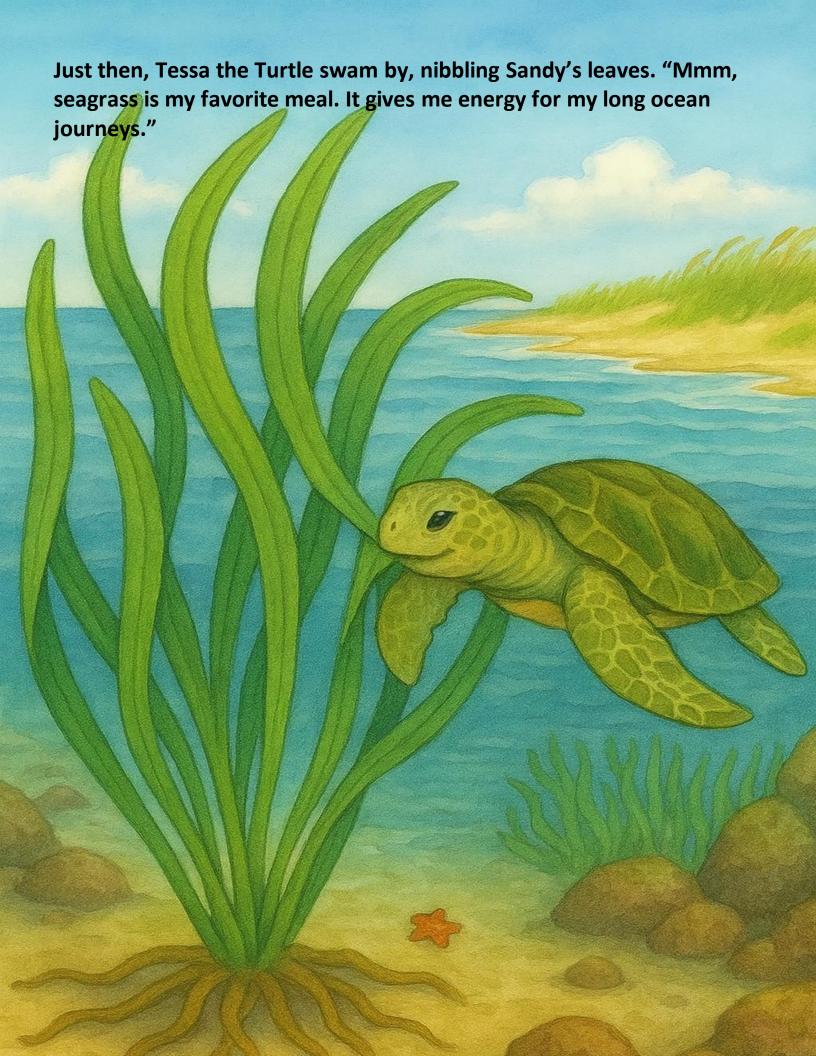
To learn more, access additional resources at: www.theobcc.org.

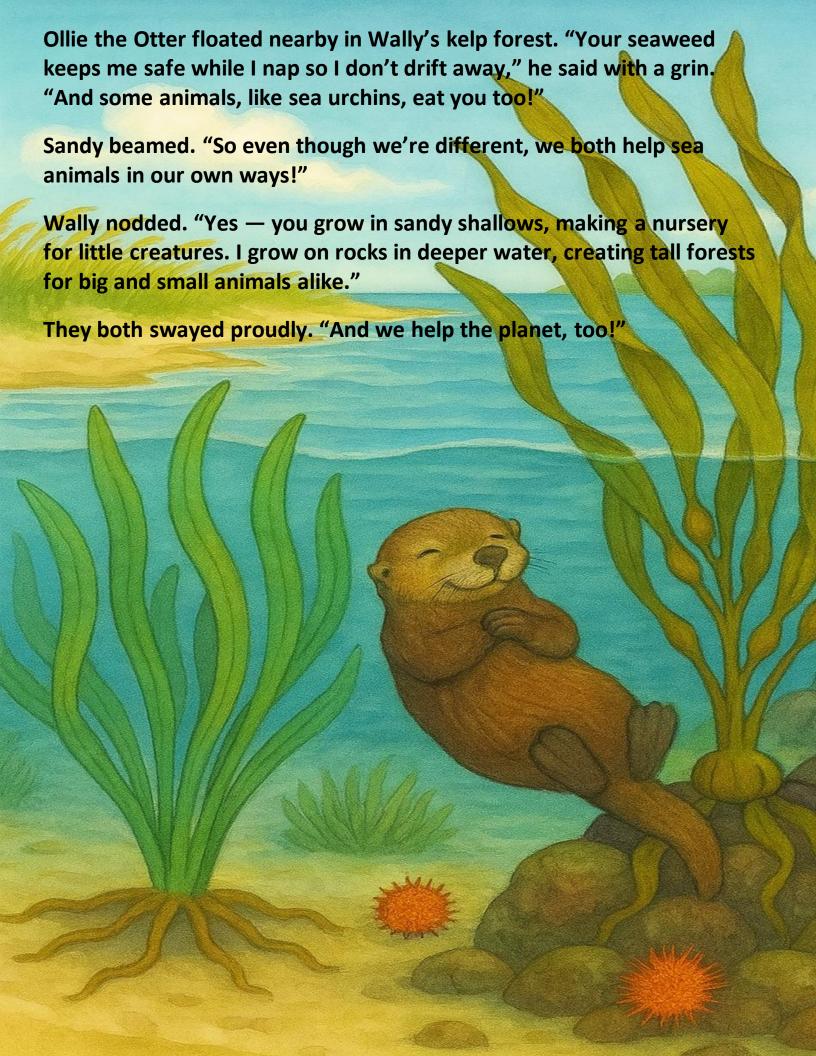


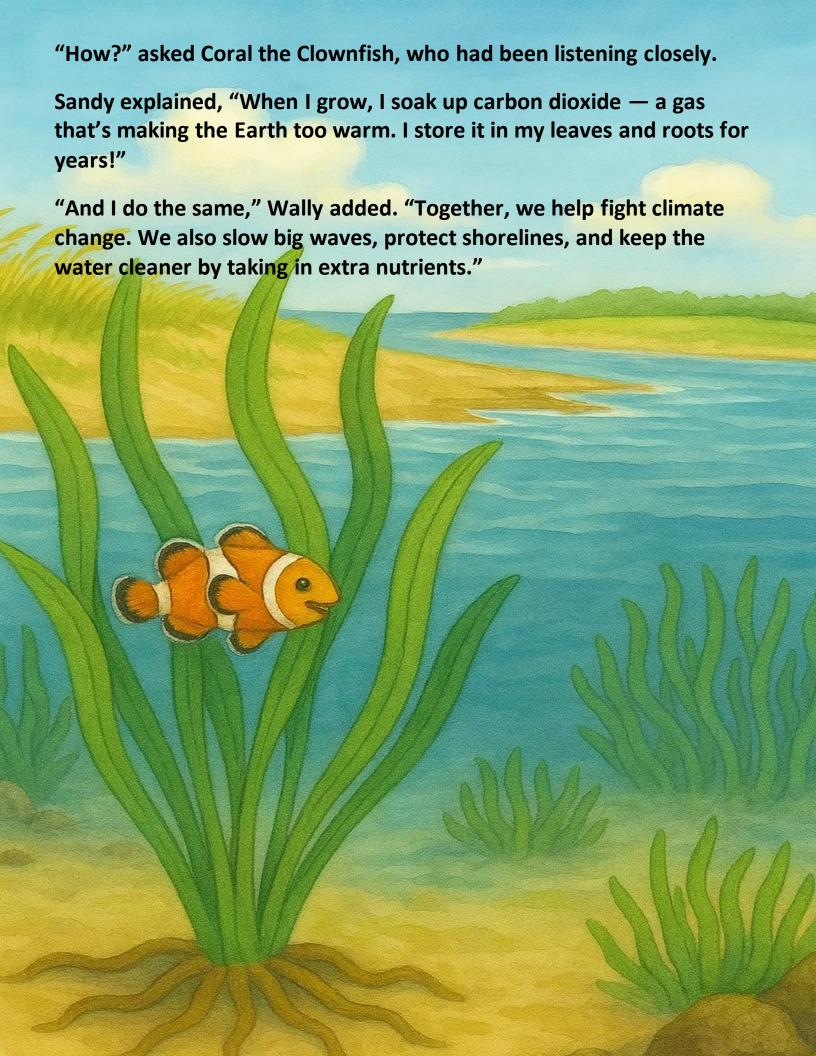
In a sunny coastal cove, two best friends grew in the water. Sandy the Seagrass had long, green, ribbon-like leaves and roots that held her in the sandy seafloor. She was a true plant, just like the grass on land, with flowers, seeds, and roots that dug deep.

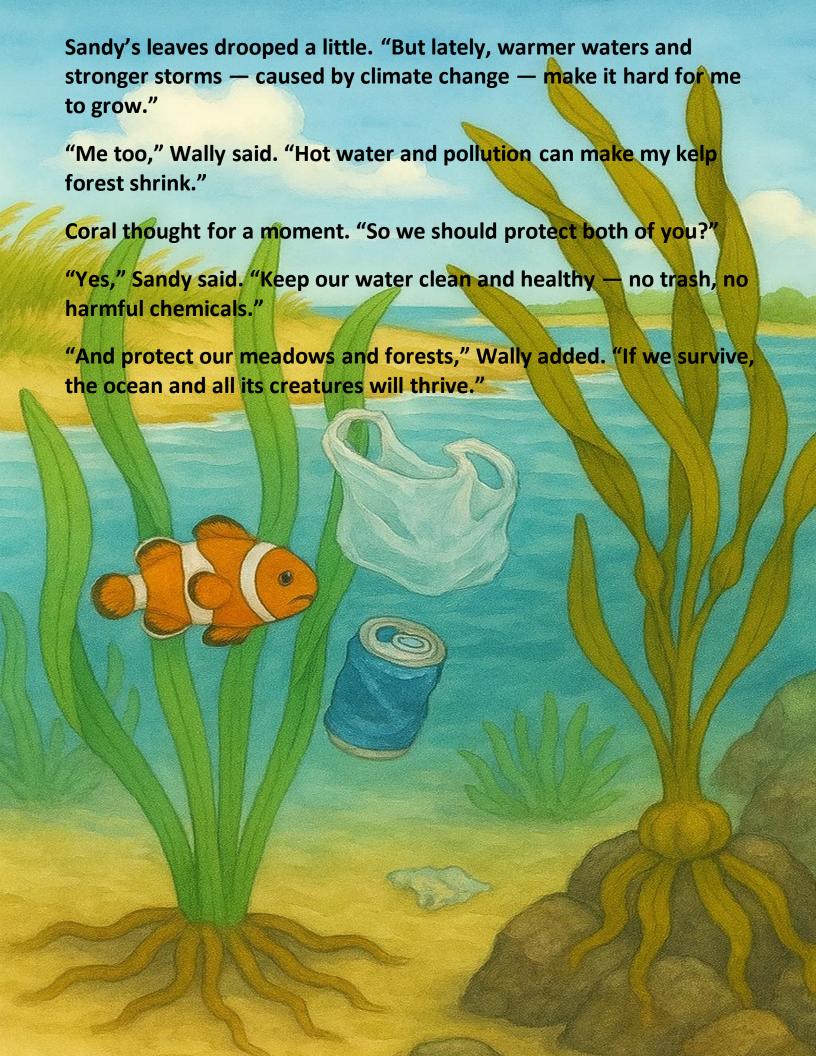


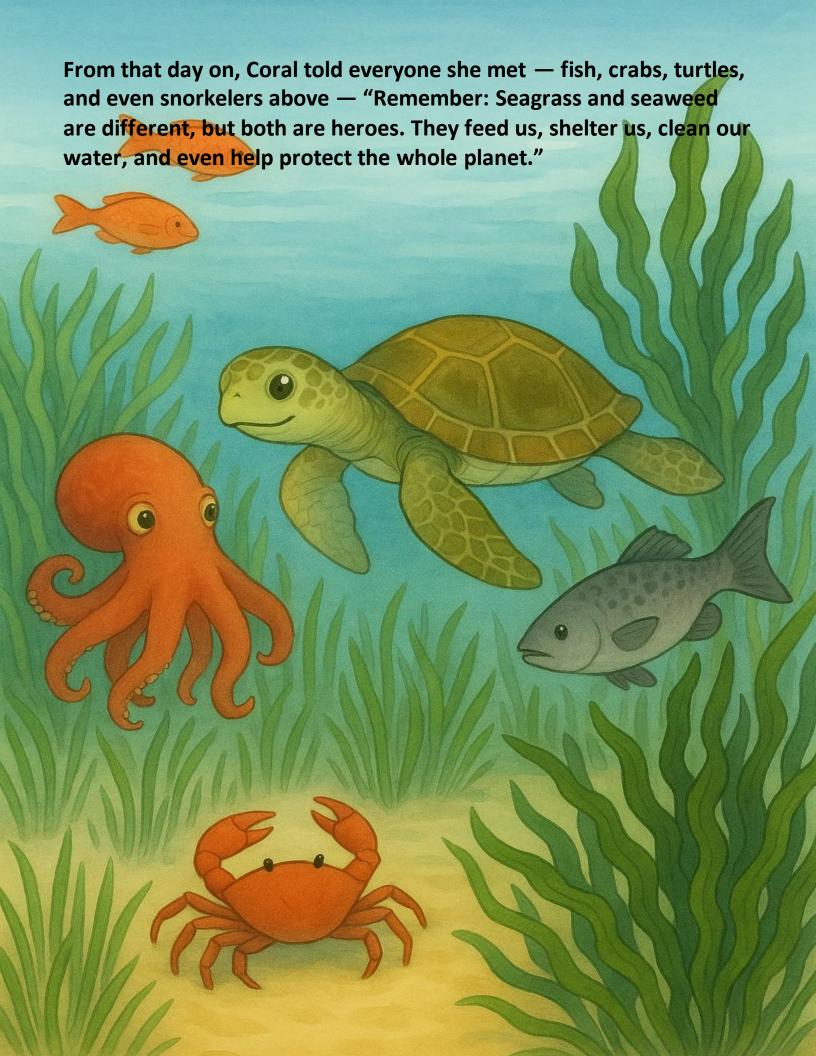












# **Did You Know?**

Both seagrass and seaweed are beneficial to sea animals, but in slightly different ways because they are very different organisms.

#### Seagrass

- What it is: A flowering plant (not an algae) that grows in shallow, sheltered coastal waters.
- Benefits to sea animals:
  - Food: Sea turtles, manatees, dugongs, and some fish and invertebrates eat it directly.
  - Shelter & Nursery: Provides hiding places for young fish, crabs, shrimp, and other marine life.
  - Habitat stability: Its roots help hold sediment in place, keeping the water clearer and protecting coral reefs from silt.

#### Seaweed

- What it is: Marine algae (macroalgae), including kelp, that grows on rocks, reefs, and sometimes floating in the open ocean.
- Benefits to sea animals:
  - Food: Many marine herbivores like sea urchins, some fish, snails, and even some seabirds — eat seaweed.
  - Shelter & Habitat: Large kelp forests create underwater "forests" where fish, sea otters, and invertebrates can live and hide from predators.
  - Nutrient cycling: Seaweeds help recycle nutrients in the water and produce oxygen through photosynthesis.

### **Shared Benefits**

- Both produce oxygen.
- Both provide habitat complexity, making the ecosystem richer.
- Both help improve water quality by absorbing excess nutrients.