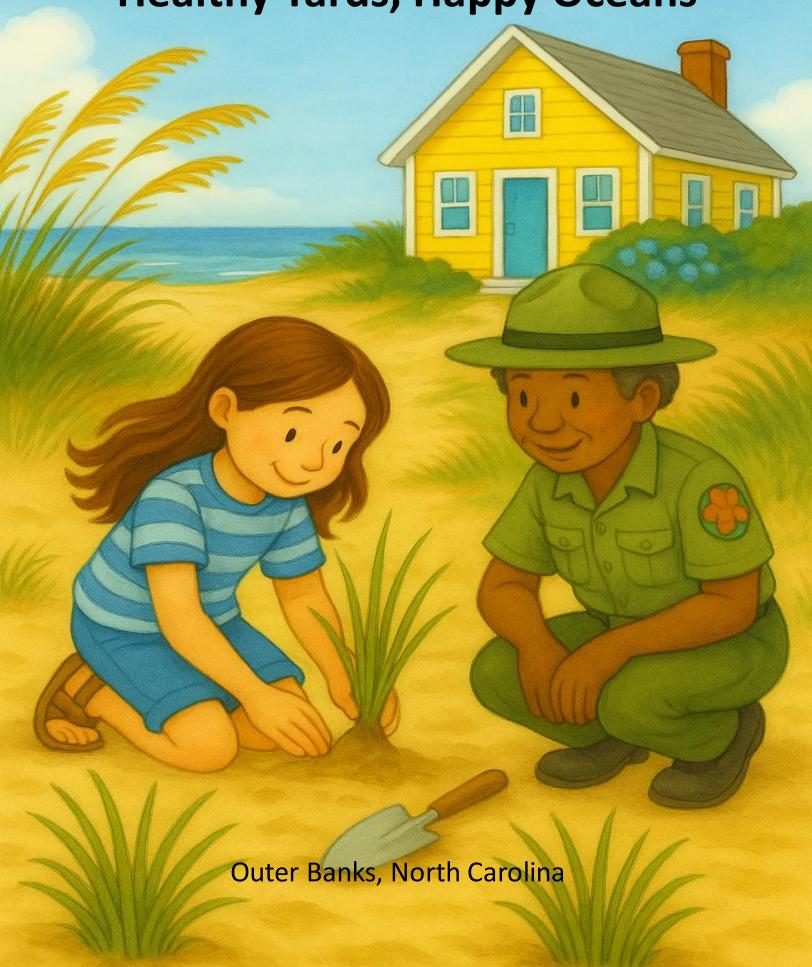
# **Healthy Yards, Happy Oceans**



### **Forward**

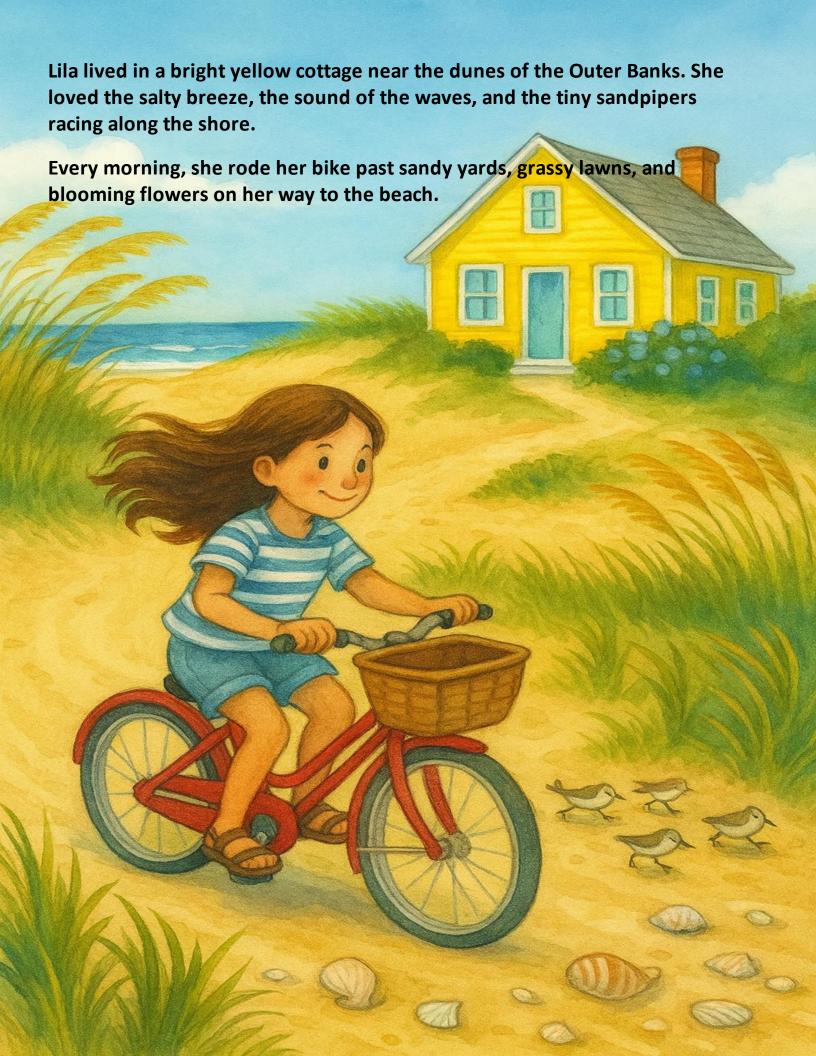
This storybook was created by the Outer Banks Coastal Conservation (OBCC), a nonprofit organization whose mission is to foster environmental stewardship and a deeper connection to the Outer Banks of North Carolina through outreach, education, and conservation efforts.

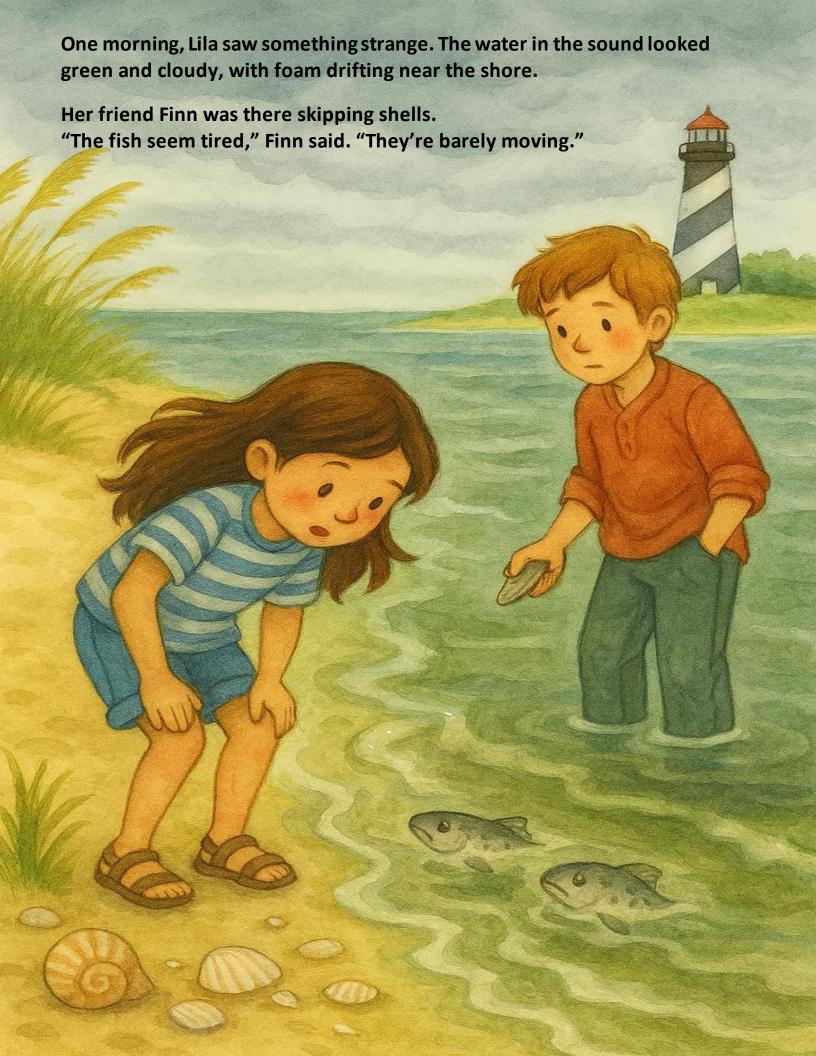
We believe that small stories can spark big change. That is why we have made this book available as a free resource for parents, teachers, and community members.

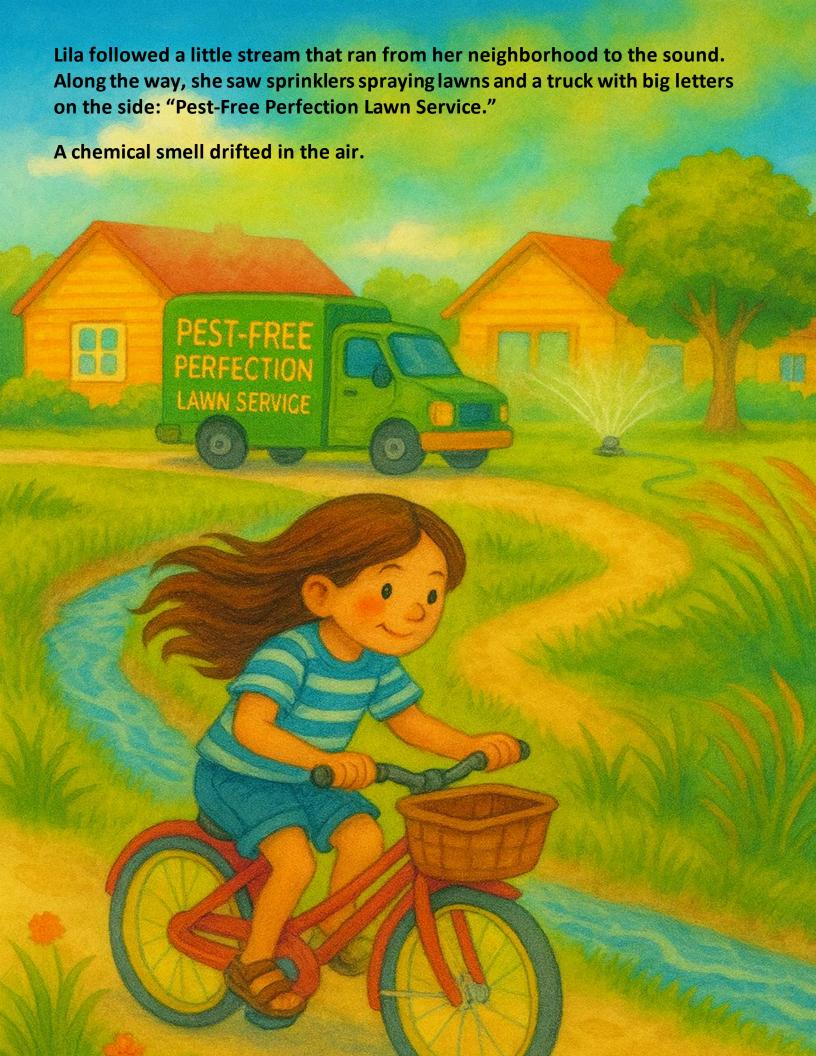
All materials in this book may be freely downloaded, shared, printed and used for educational or nonprofit purposes.

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





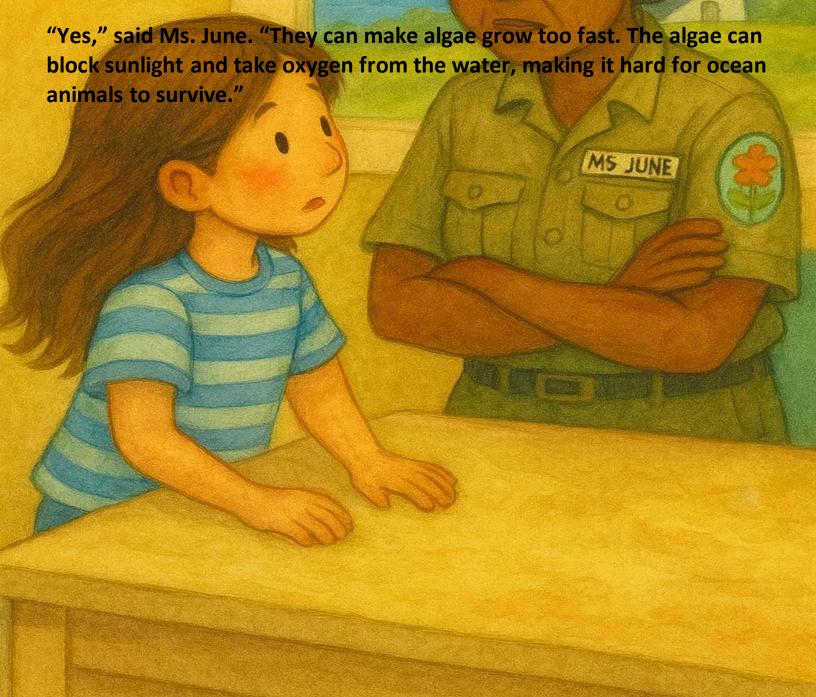




Later, Lila visited Ms. June, the park ranger and asked her "Ms. June, the water looks strange. Could it be the lawn sprays?" Ms. June nodded sadly. "Those lawn sprays often have fertilizers and pesticides," Ms. June explained. Fertilizer is a substance used to help plants grow. Fertilizers often contain nitrogen and phosphorus—nutrients that can cause problems when too much reaches the water.

"When it rains, the chemicals wash into streams. Here in the Outer Banks, everything flows into the sound or the ocean. This can hurt fish, crabs, turtles—even the seagrass they live in."

Lila's eyes widened. "So the sprays travel all the way to the sea?"



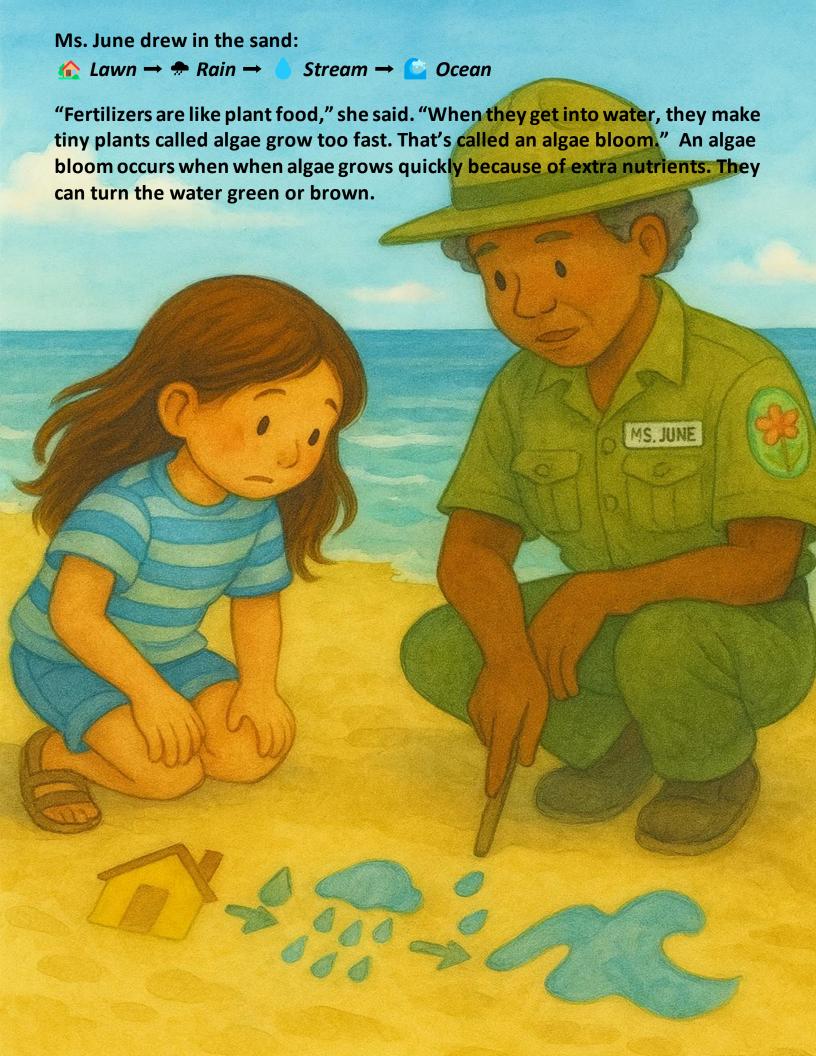
Ms. June explained "Pesticides are special sprays or powders that people use to kill bugs, weeds, or other tiny creatures that they think might hurt their plants."

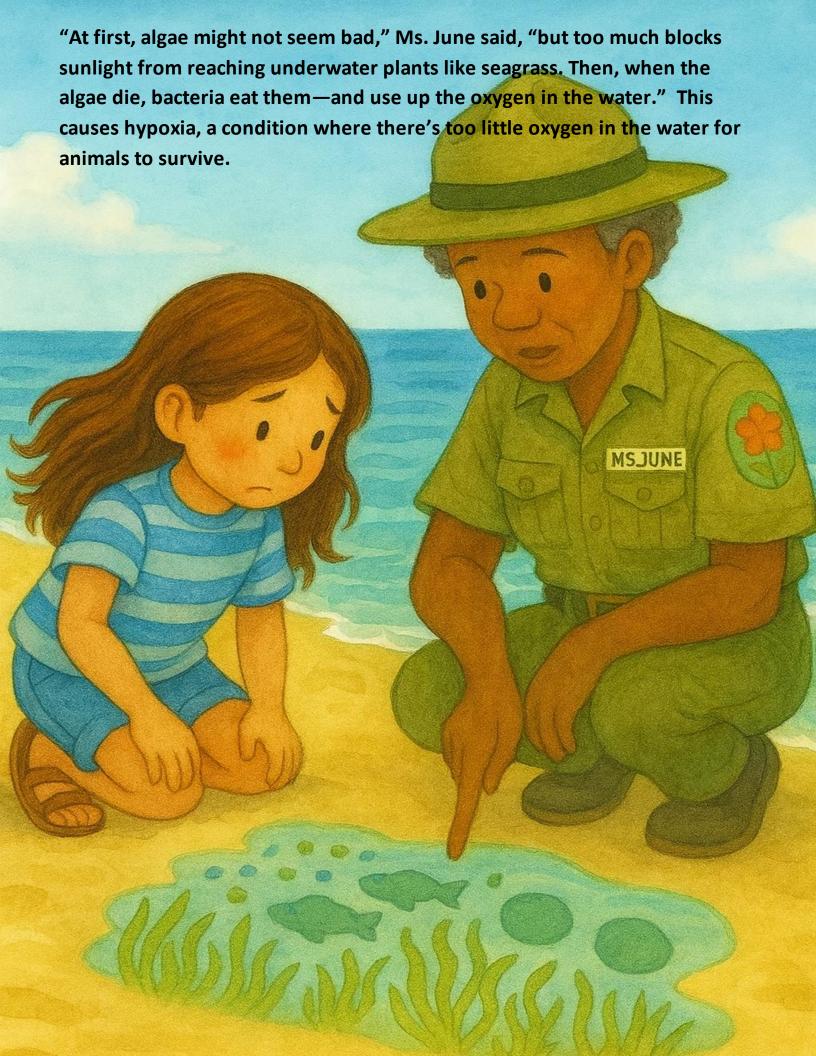
# FERTILIZER NITROGEN PHOSPHORUS

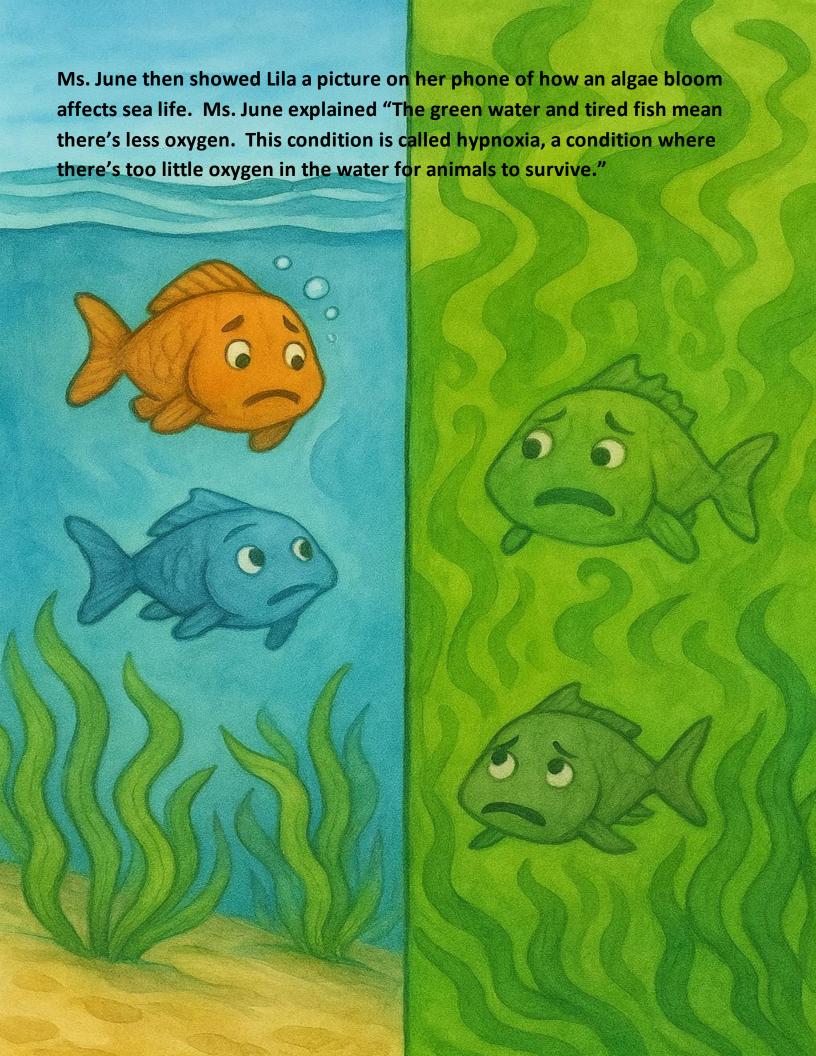
- When it rains, pesticides and fertilizers can wash off yards and farms into rivers and the ocean.
- Pesticides can hurt bees, butterflies, fish, birds, and other animals that aren't pests.
- Fertilizers make too much "plant food" go into the water. This makes algae grow too fast. When the algae die, the water loses oxygen, and fish, crabs, and dolphins can't breathe.
- Both pesticides and fertilizers can make the soil and water unhealthy for animals and people over time.

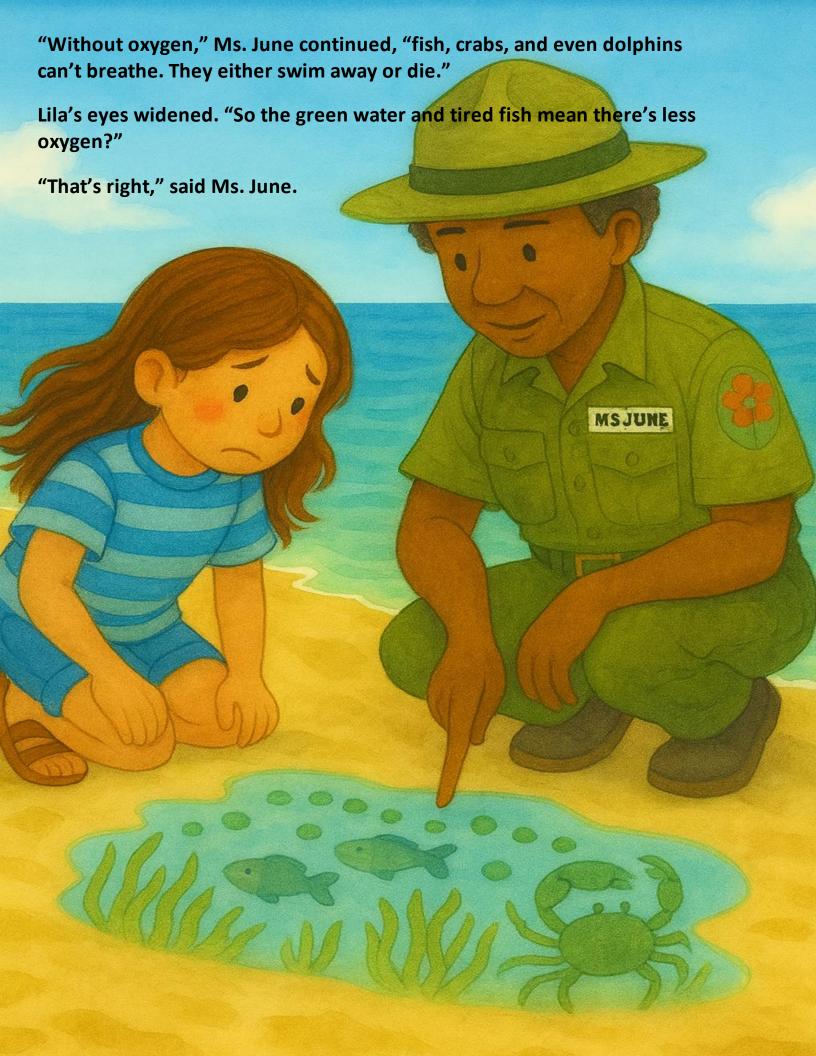
Pesticides = Kill pests, but can hurt nature too.

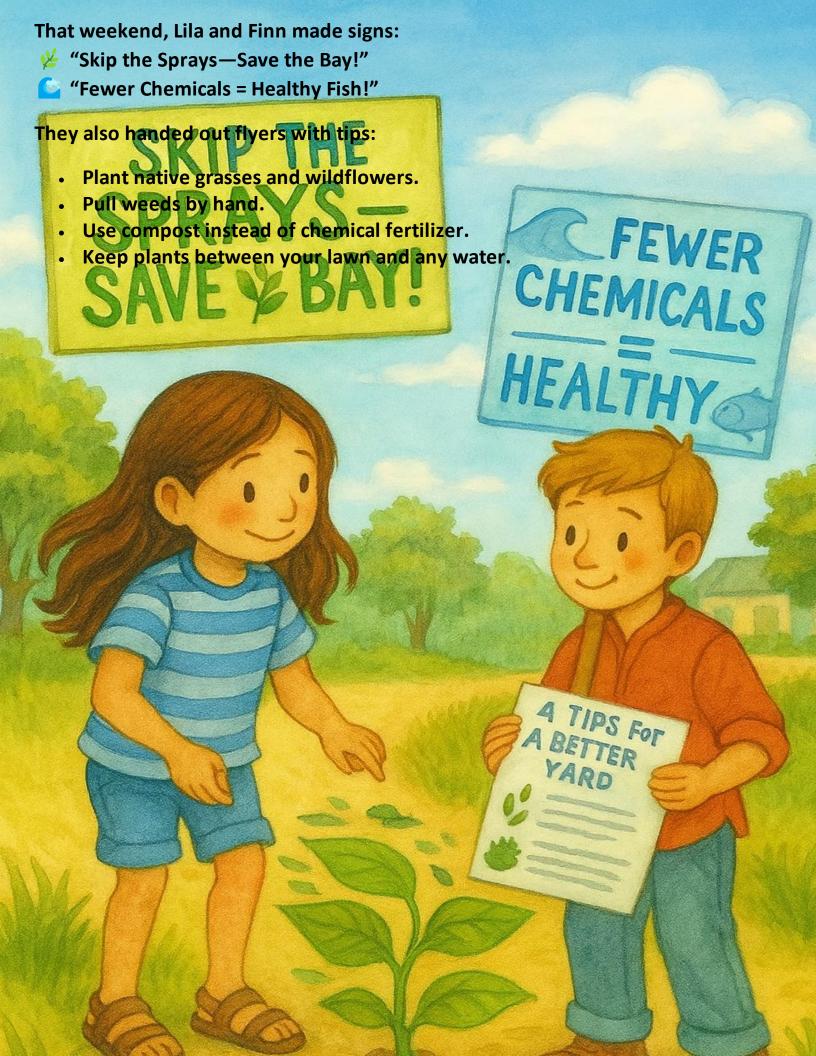
Fertilizers = Help plants grow, but can hurt water and wildlife if they wash away.









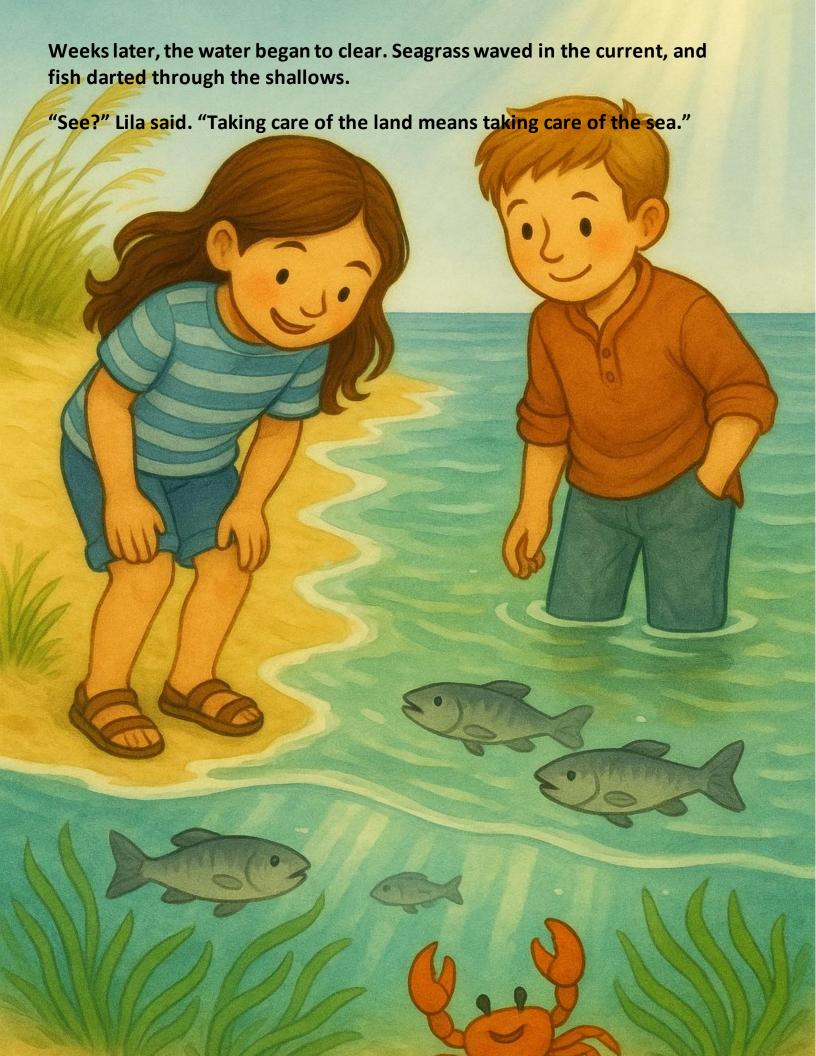


Soon, more neighbors joined in.

Mr. Clark swapped his grass for dune-friendly plants.

Mrs. Lee built a rain garden to soak up stormwater before it reached the sea.





## **Did You Know?**

Some people spray their lawns with fertilizers and pesticides to make the grass look perfect.

- Sut those sprays can wash into rivers and the ocean when it rains.
- This can make algae grow too fast, block sunlight, take away oxygen, and make it hard for fish, turtles, and crabs to survive.
- Pesticides can also hurt bees, butterflies, and birds—not just "bad" bugs.

## **Good News!**

You don't need those sprays to have a beautiful yard. Try these instead:

- Plant flowers and native grasses that grow well without chemicals.
- Welcome nature's helpers like ladybugs to eat pests.
- Use compost to feed your plants naturally.
- Build a rain garden to soak up water before it reaches the sea.

Healthy yards = healthy oceans!