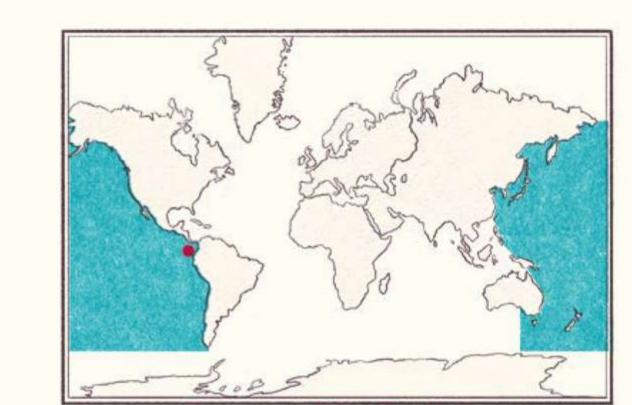


## PACIFIC OCEAN: Esmeraldas Mangroves

You head farther east, across the Pacific, to northern Ecuador in South America. Paddling along the coastline in a small boat, you come upon the Majagual mangrove forest, a rich and unique shallow ocean ecosystem.



# AMONG MANGROVES

ESMERALDAS CRAB

A dense forest seems to be growing out of the water. You see

tentacled roots standing high above the waterline, holding up the

trees like wonky stilts. These trees are mangroves, which have

special adaptations to grow in salty soil. They protect both the

shoreline and the wildlife that live there, especially young fish.

These beautiful blue and orange crabs live in J-shaped burrows up to 2 m deep.

MANGROVE PERIWINKLE

RUFOUS-TAILED HUMMINGBIRDS

> Tiny, glittering, blue-green and red hummingbirds live off nectar from the uncommon tea mangroves.

#### TAKING ROOT

Every part of a mangrove tree is important to this rich ecosystem. The leaves are home and food for many creatures; and molluscs, young fish and crustaceans harbour among the maze of underwater roots.

### SPECTACLED CAIMAN

These ambush hunters lurk in the shallow waters around the mangroves or rest on the muddy shores.



#### CAN YOU SMELL ROTTEN EGGS?

A huge number of mangrove leaves and seeds fall to the ground each year. When bacteria and fungi break down this plant matter for their own fuel, they often create stinky gases.



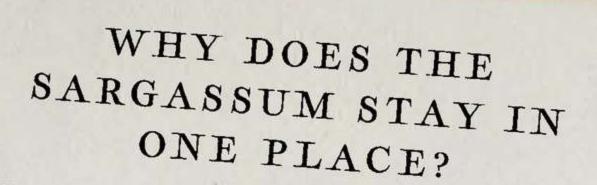
There are animals everywhere

you look. Bare-throated tiger

# ATLANTIC OCEAN: Sargasso Sea

Your boat pushes south from the Arctic, deep into the Atlantic Ocean. Here, floating, golden clumps of Sargassum seaweed stretch far into the sapphire-blue distance. You are in the Sargasso Sea - the only sea in the world without a land boundary.

Look closer! Each clump of seaweed is a tiny island of life. Sheltered turtle hatchlings peep out among the bobbly blooms, and jewel-blue sea slugs float between the webs of weed life. Looking closer, you see a sargassum fish, hidden perfectly.



The Sargasso Sea is surrounded by four special ocean currents. These move in a slow, clockwise circle called a gyre, which keeps the unattached seaweed from floating away.





# DRIFTING NURSERY

In the last stage of their lives, millions of European eels leave their river homes, swimming for over a year to reach the Sargasso Sea, where they shelter and breed. Their babies stay here until they grow big enough for the long journey to Europe.

