Natural zones shaped and COASTAL BAYS Chincoteague BARRIER ISLANDS ARE AMONG THE MOST DYNAMIC reshaped by wind, wave, and current characterize Assateague Island. Distinct plant and animal communities have adapt-The rhythms of tides and seasons shape the island. The ed to each zone. This smallest gust of wind or gentlest of waves moves sand north-facing view depicts these habitats, left to

LANDFORMS ON EARTH. FROM OCEAN TO BAY,

ASSATEAGUE ISLAND IS DEFINED BY CHANGE.

the grasses. Young fish find refuge from predators. Seahorses and pipefish, vulnerable in open water, depend on grasses for anchorage and safe haven. Mudloving creatures cluster around roots. These are the secret gardens of the coastal bays.

Bay and two smaller bays separate

They provide an environment rich

waters create a productive nursery

in aquatic life and vital to ocean

ecosystems. The warm, shallow

Assateague from the mainland.

into the bay. Scavengers, like snails, amphipods, and fiddler crabs, feed on detritus. They in turn are food for high tide visitors to the salt marsh like fish and crabs. When the tide is out, a banquet is exposed in the mudflats where birds feast on the

MARITIME FOREST The forest white-tailed and sika deer, racedge is bordered by a shrub coons, and birds like the yellowthicket on both bay and ocean rumped warbler and Eastern sides. This is another transition towhee. Predators like great area between distinct communihorned owls and red fox hunt ties. Greenbrier, highbush bluesmall mammals, birds, and repberry, and bayberry thrive here. tiles in the woodland. Trees, stunted and sculpted by

form a malleable barrier against the assault of wind and water. Where overwash does occur, piping plovers and other birds find prized nesting habitat. The primary beach front dunes are dom- creatures concealed in the inated by American beach grass, with its extensive root system creatures visit the beach, but

tidal zone where crashing waves deliver food and render all homes temporary. Shorebirds dance away from the surf while attempting to dine on

The ocean food web starts with phytoplankton. Most upon these tiny plants for survival. The oceans support more than half the species on earth, yet 95 percent of these waters remains unexplored, offering endless possibilities



