

ANOTHER IMPORTANT REASON TO
CONSERVE AND PROTECT SEAGRASSES
IN NORTH CAROLINA

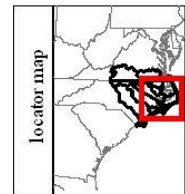
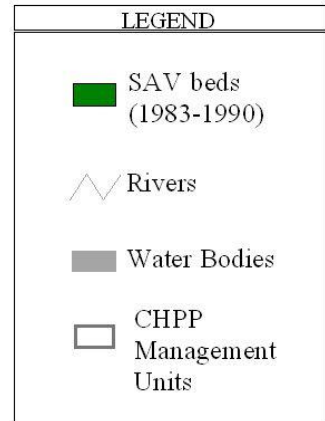
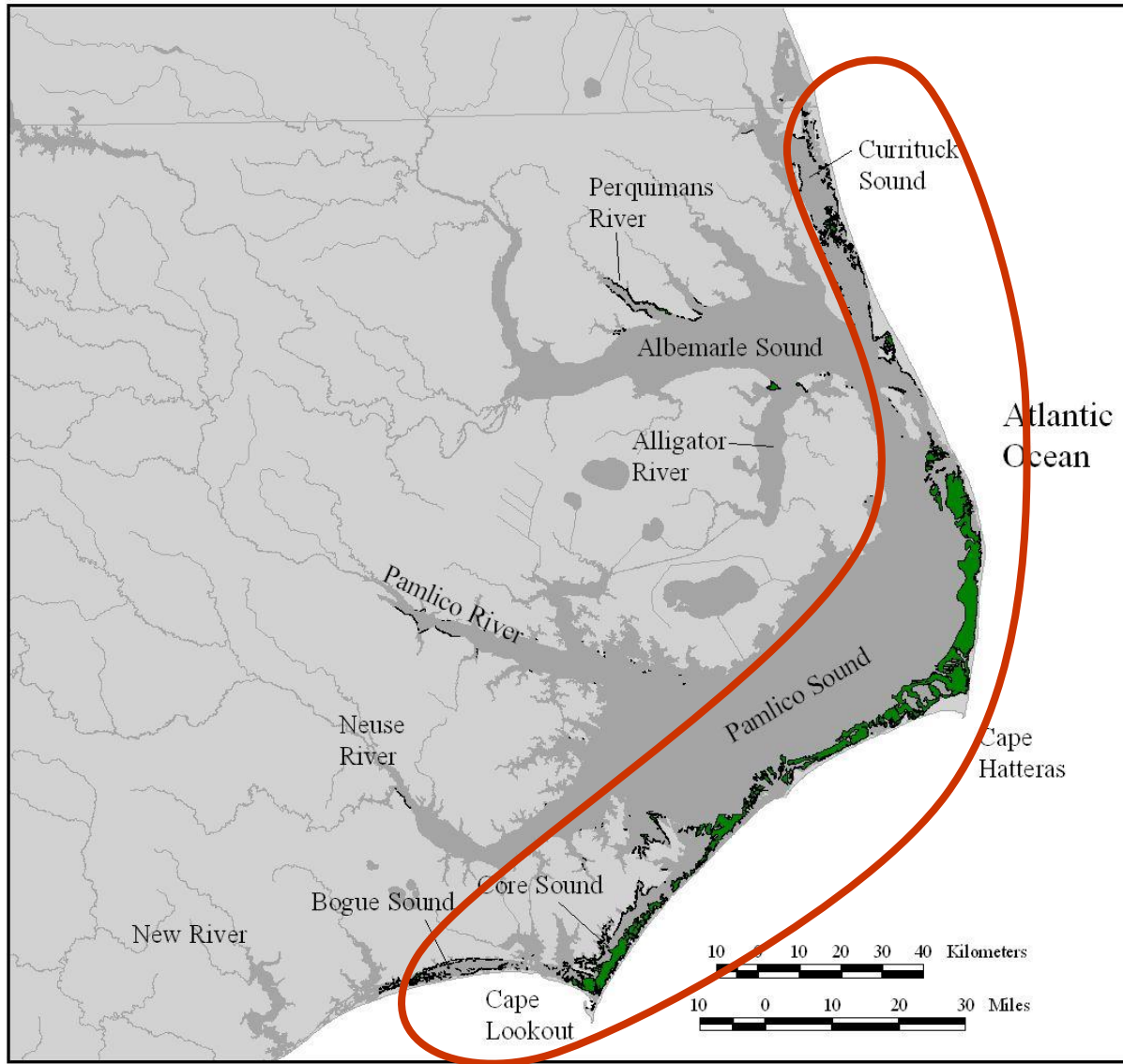
Jud Kenworthy

NOAA Retired

BARRIER ISLANDS



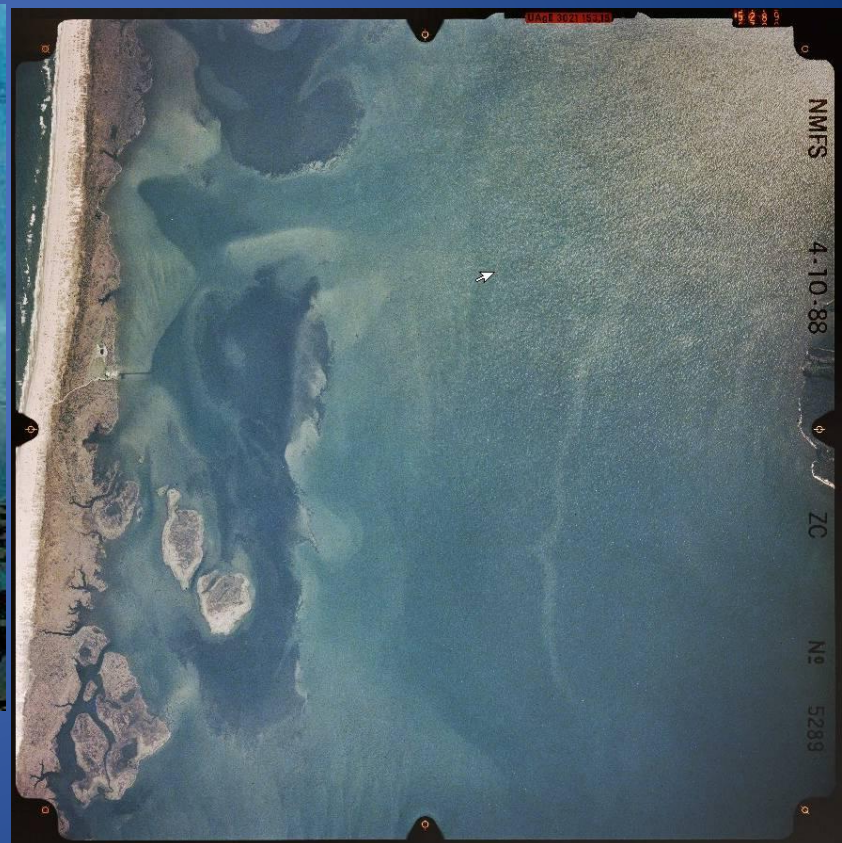
BARRIER ISLANDS and SEAGRASS MEADOWS



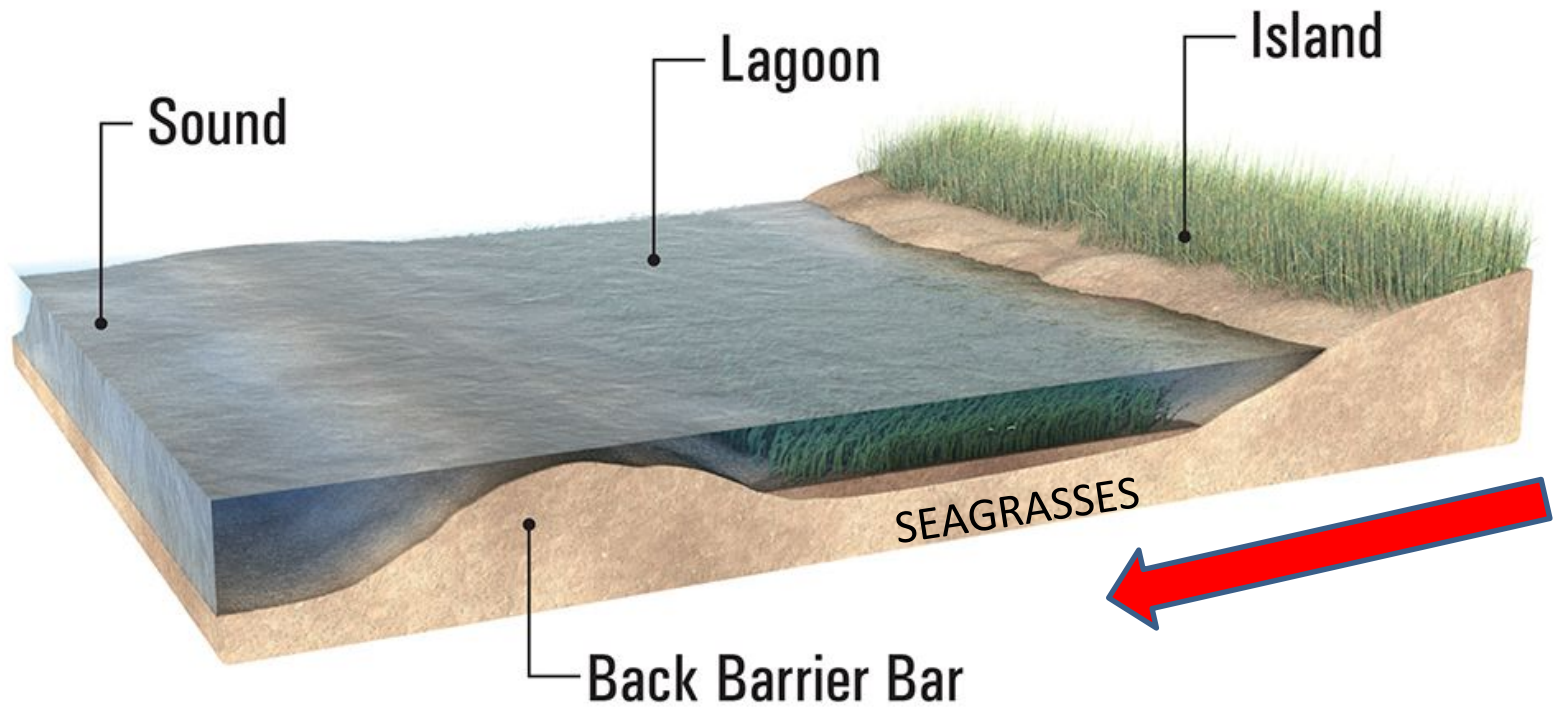
SEAGRASSES AND BARRIER ISLANDS

HAVE A MUTUAL BIOPHYSICAL RELATIONSHIP

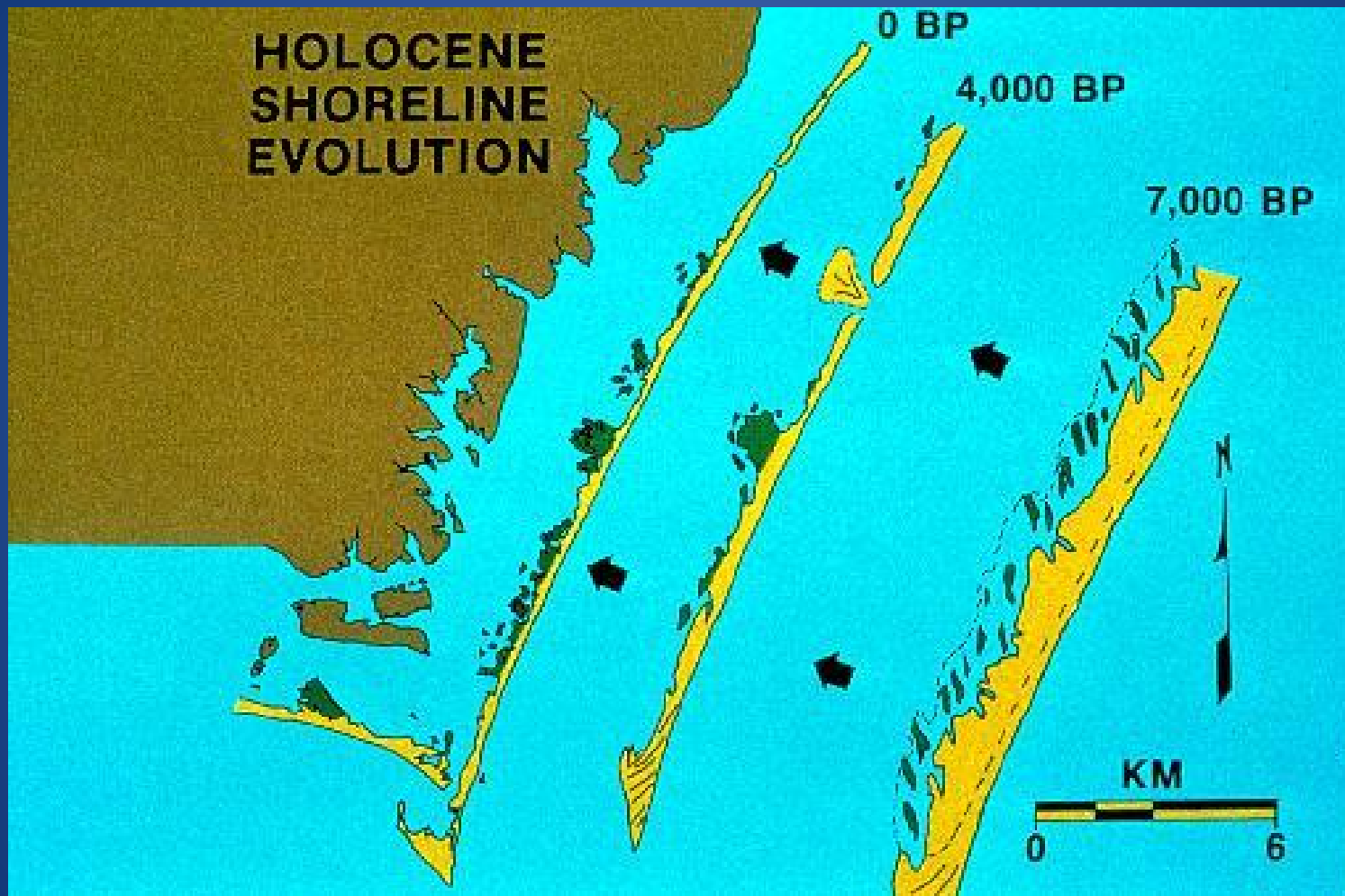
BARRIER ISLAND, BACK BARRIER SHELF AND SEAGRASS MEADOWS



BACK BARRIER SHELF



THE ISLAND SYSTEMS ARE MOVING



WHY ARE SEAGRASSES MUTUALLY IMPORTANT?

DETER EROSION

PROMOTE SEDIMENTATION



TOPOGRAPHICAL RELIEF

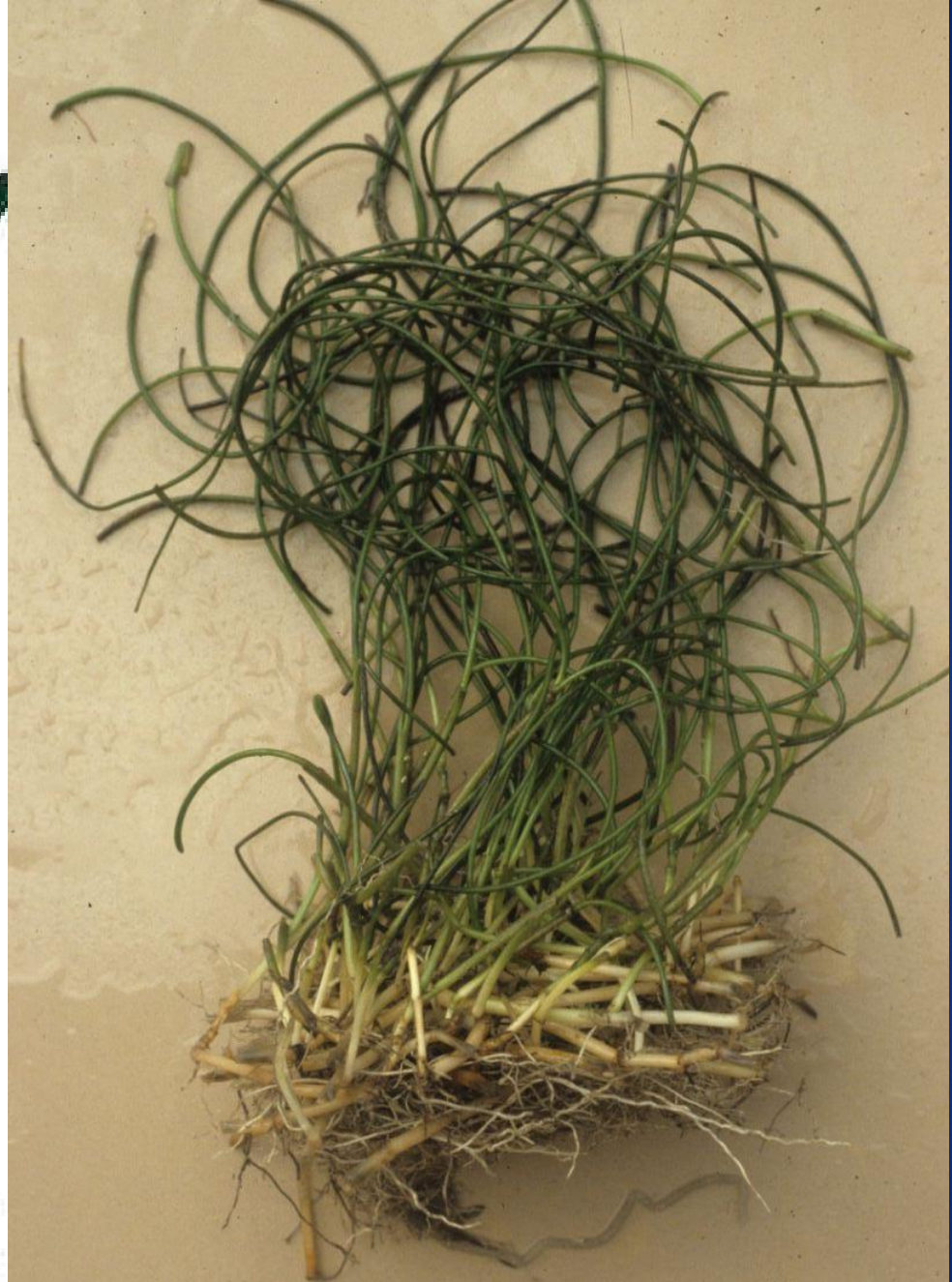


OUT OF SIGHT AND OUT OF MIND



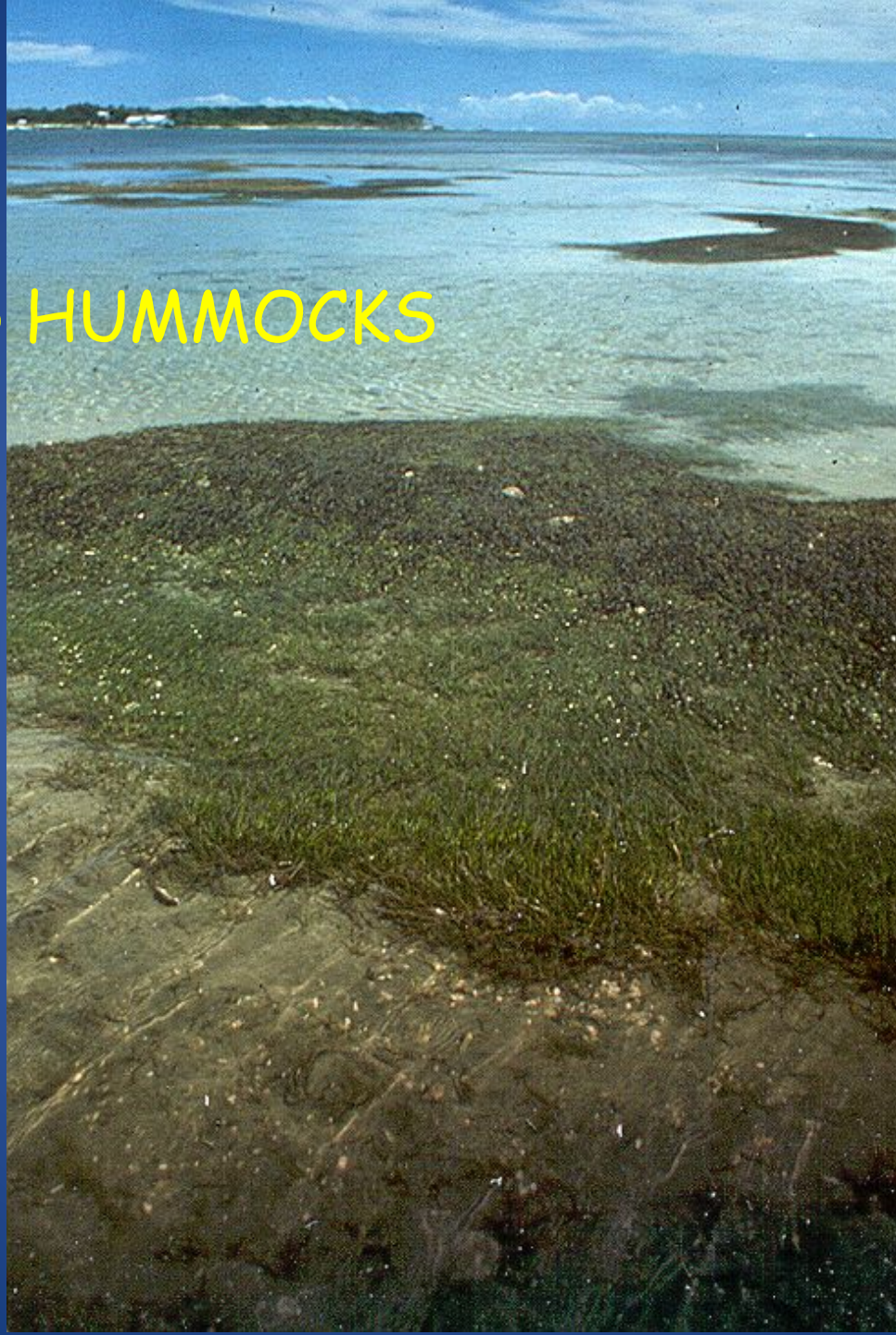


Graphic Courtesy
of Slim Films

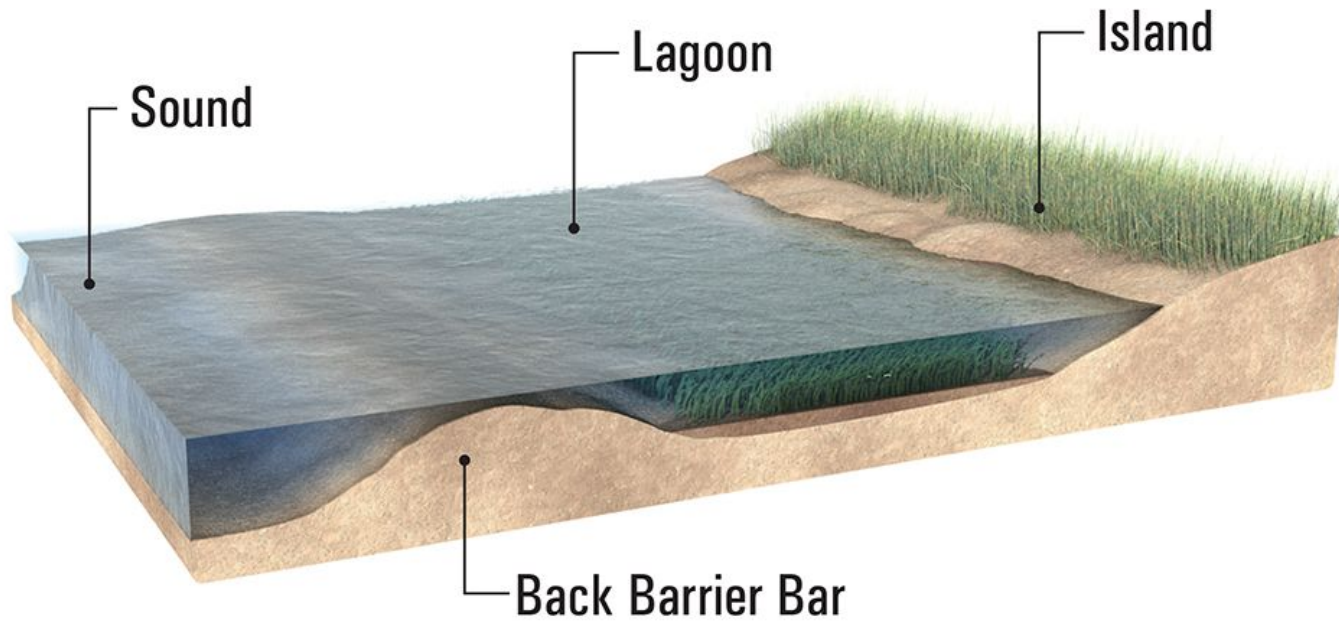


MATT OF ROOTS AND RHIZOMES

ELEVATED HUMMOCKS



SHELF + SEAGRASS = THE FOUNDATION



WHAT ARE THE THREATS TO SEAGRASSES?

THE USUAL SUSPECTS

WATER QUALITY

MOTOR VESSELS

CHANNEL DREDGING



ON THE HORIZON

AQUACULTURE

GEAR, MAINTENANCE, HARVESTING

BARRIER ISLAND DYNAMICS

"A barriers no barrier a'tall, couldn't keep out the English or the Spanish before them or the yankees after them. They don't keep out hurricanes either, as anybody who was around for Hazel can tell you"

Bill Morris, 2004, quote from Saltwater Cowboys



THERE IS MORE THAN MEETS THE EYE

