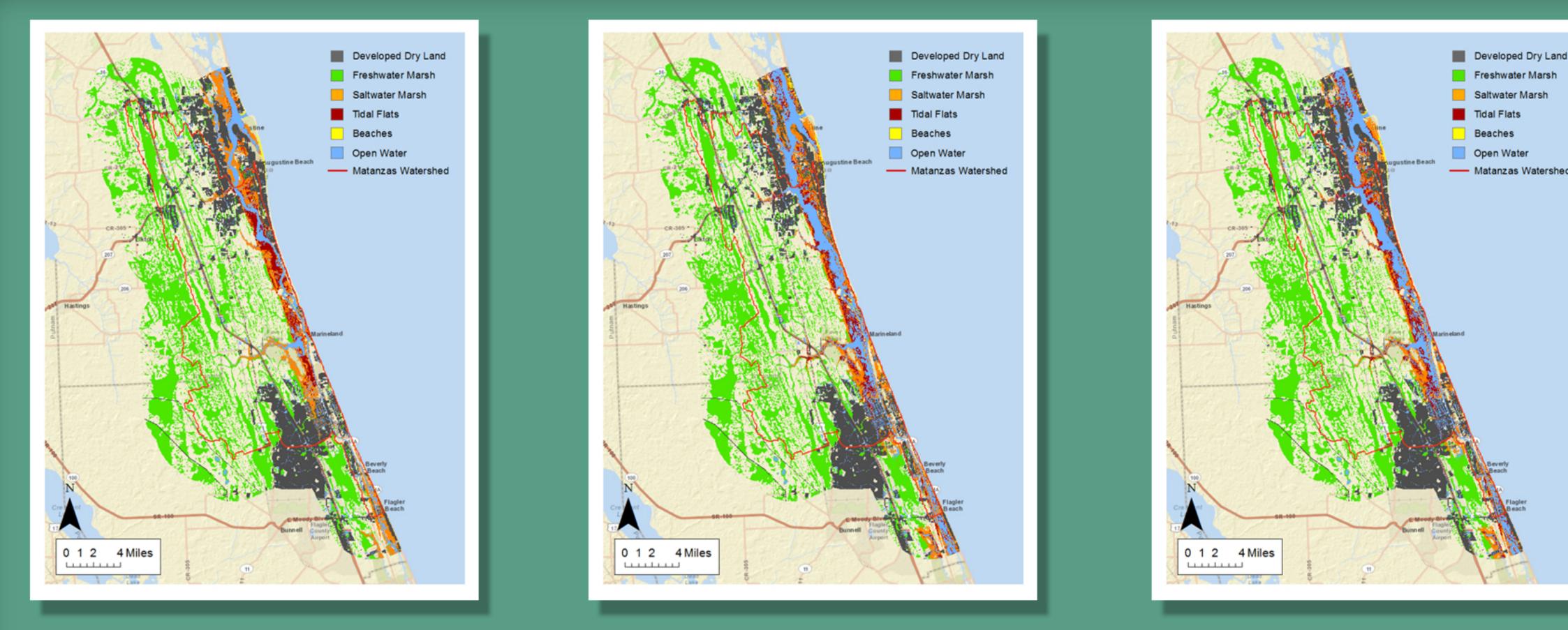


Future Changes to Habitats and Land Use Sea Level Affecting Marshes Model (SLAMM)



Current Habitats and Land Use

UF FLORIDA

Planning for Sea Level Rise in the Mantanzas Basin Public Meeting

Department of Urban and Regional Planning University of Florida 2012

3 Feet Sea Level Rise With Change in **Developed Lands**

3 Feet Sea Level Rise Without Change in **Developed Lands**

SLAMM Maps

The Sea Level Affecting Marshes Model (SLAMM)- simulates the dominant processes involved in wetland conversions and shoreline modifications during long-term sea level rise.

Developed Land

Acres Conver

Undeveloped Dry





3 Feet Sea Level Rise Affected Developed and Undeveloped Dry Land

evel Rise	St. Augustine	Anastasia Island	Flagler Beaches	Palm Coast
Salt marsh	990	565	999	144
Tidal Flats	2	5	2	13
Water	2	3	4	8
Salt marsh	504	686	935	191
Tidal Flats	1	4	2	1
Water	1	2	1	6
	Salt marsh Tidal Flats Water Salt marsh Tidal Flats	AugustineAugustineSalt marshSalt marsh1Tidal FlatsWater2WaterSalt marshSalt marsh1Tidal Flats1	AugustineIslandAugustineIslandSalt marsh990Salt flats2Vater2Salt marsh3Salt marsh504Salt marsh504Salt marsh4	AugustineIslandBeachesAugustineIslandBeachesSalt marsh990565999Tidal Flats232Water234Image: Salt marsh504686935Tidal Flats142