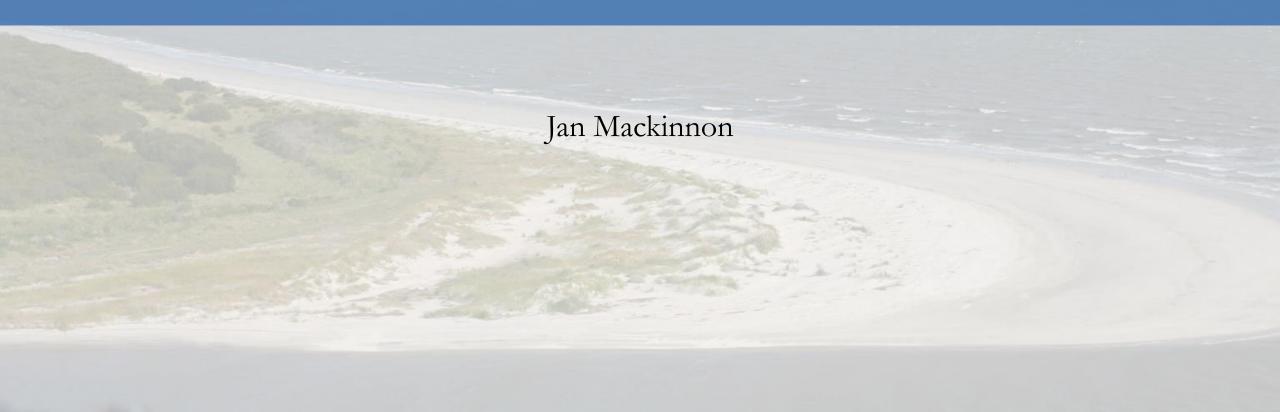


Climate Resilience in coastal Georgia

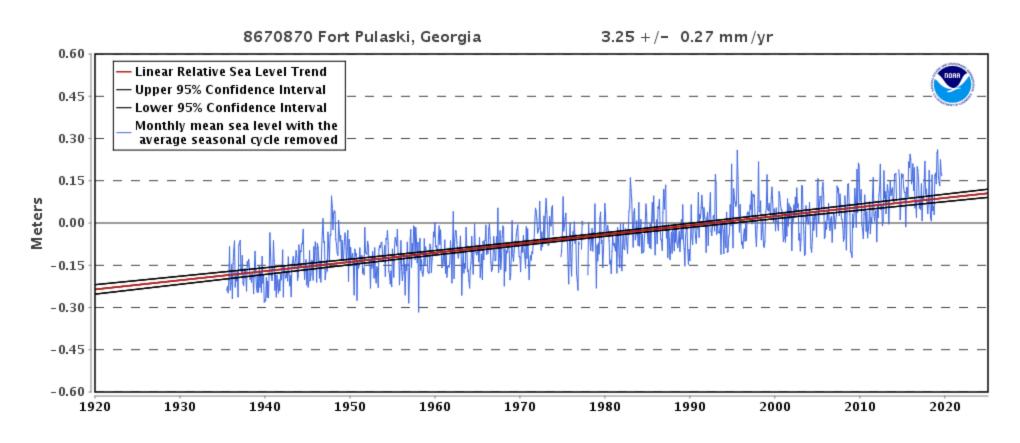


Coastal Program areas of service



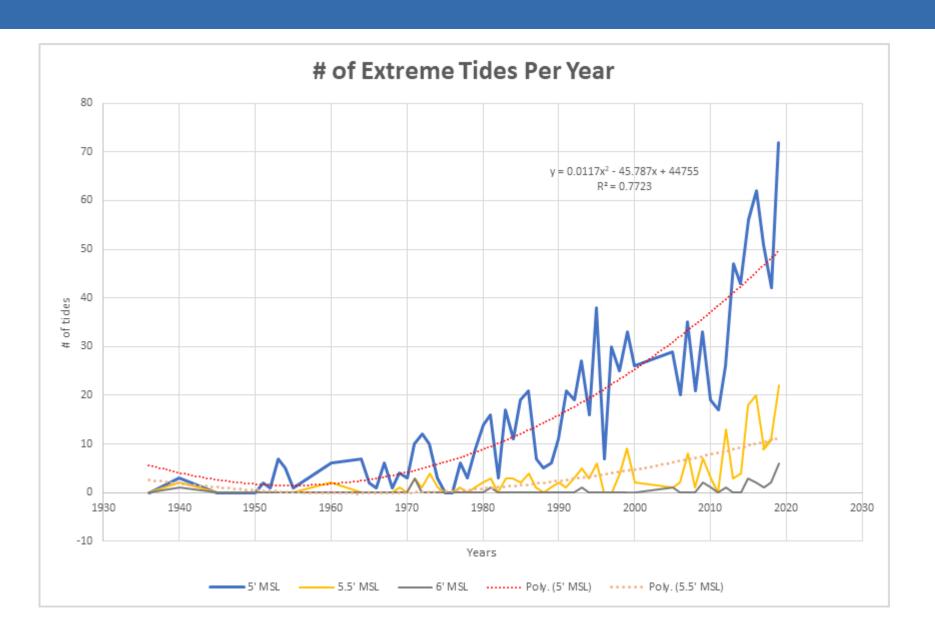
- Public and private property owners
- Partnership with the Army Corps of Engineers
- Local government partnership

Sea level rise



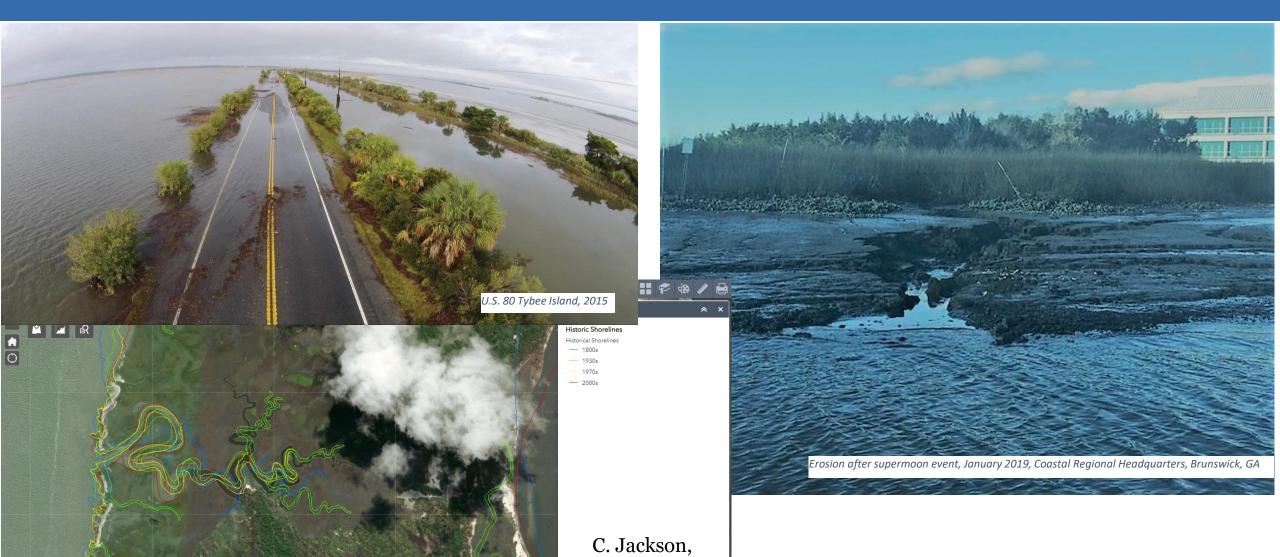
The relative sea level trend is 3.25 millimeters/year with a 95% confidence interval of +/- 0.27 mm/yr based on monthly mean sea level data from 1935 to 2018 which is equivalent to a change of 1.07 feet in 100 years.

Extreme tides



J. Lee DNR WRD

A changing environment



Georgia Southern University

Traditional armoring



Sapelo Island



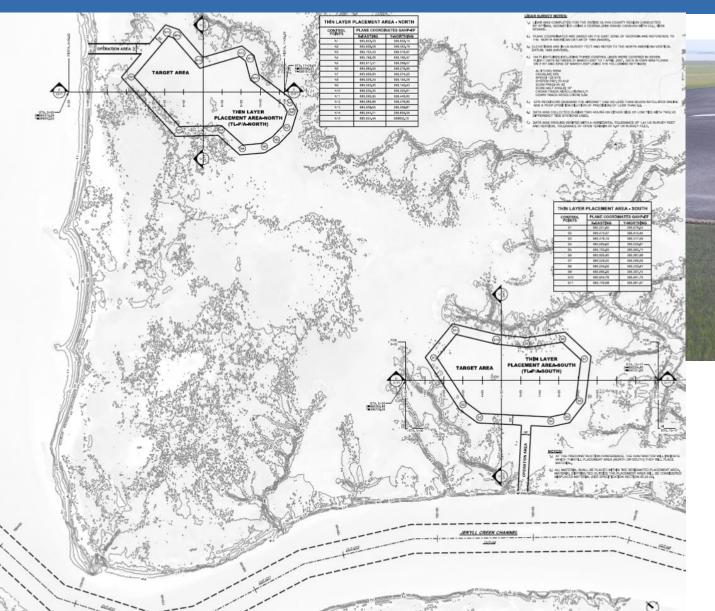
Little St. Simons Island



Cannon's Point Preserve



Beneficial Use - Thin Layer Placement





Pilot project to develop economically efficient and environmentally acceptable methods of managing dredge material.

Beneficial Use - Thin Layer Placement





- 2019 placement
- Georgia Southern University monitoring pre-and postconstruction for biological recovery

Beneficial Use - Thin Layer Placement





Dune restoration and enhancement

EXISTING CONDITIONS - 16[™] STREET WASHOUT

The section between the Marine Science Center and 18th Street represent the most off used and populous area of Tybee Island. During Hurricanes Matthew and Irma, this area experienced a massive washout and complete destruction of the constructed dune system, exposing and damaging local businesses crucial to Tybee Island's tourist economy.







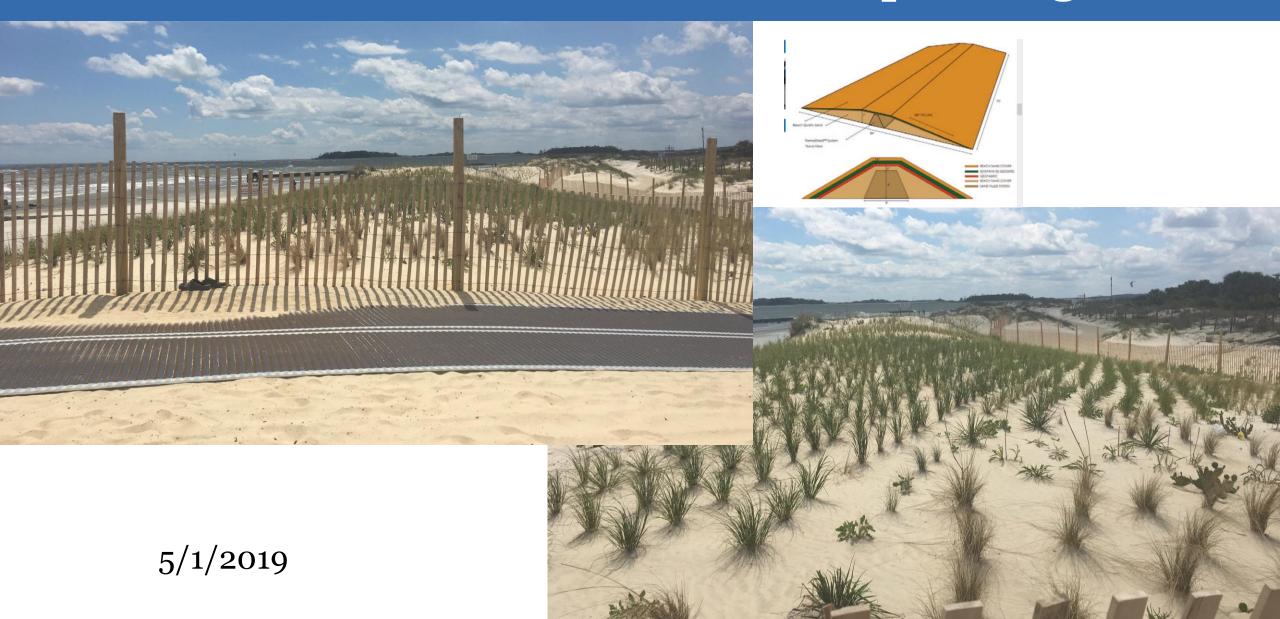


YBEE ISLAND DUNE RESTORATION 2018

Vehicular emergency access



Vehicular beach access and dune plantings



Questions?

