





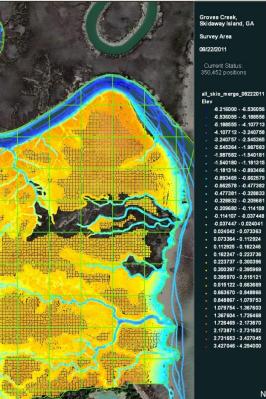
Dr. Clark Alexander



Skidaway Institute of Oceanography Applied Coastal Research Laboratory, Georgia Southern University

- Estuarine, coastal and continental margin sedimentary processes
- Coastal geologic history
- Coastal vulnerability to climate change
- Mapping for science and management
- Anthropogenic impacts on the estuarine environment

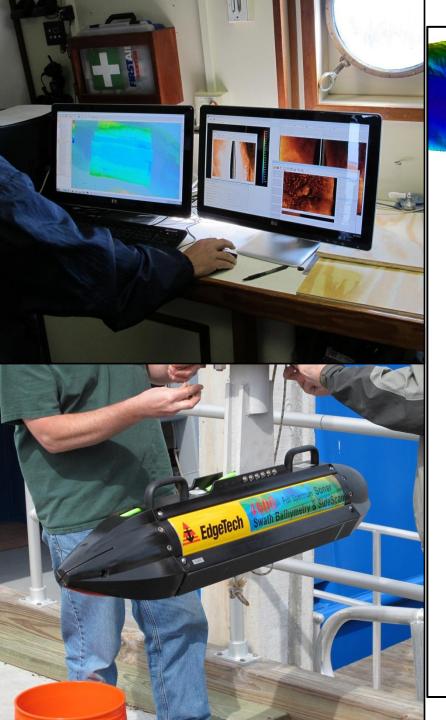




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4.216000 - -6.536056 -6.536055 - -5.188556 -5.188555 - -4.107713 4.107712 - -3.240758 -3.240757 - -2.545365 -2.545364 - -1.987583 -1.987582 - -1.540181 -1.540180 - -1.181315 -1.181314 - -0.893466 -0.893465 - -0.662579 -0.662578 - -0.477382 0.662578 - 0.477382
 0.477381 - 0.328833
 0.328832 - 0.209681
 0.209680 - 0.114108 . -0.114107 - -0.037448 -0.037447 - 0.024041
0.024042 - 0.073363 0.073364 - 0.112924
0.112925 - 0.162246

Meters



Confluence of Skidaway and Wilmington Rivers

Turners Creek

Multibeam Survey 2010





1,000

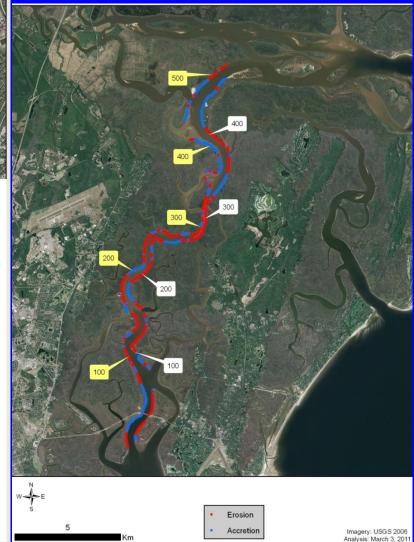
Meters

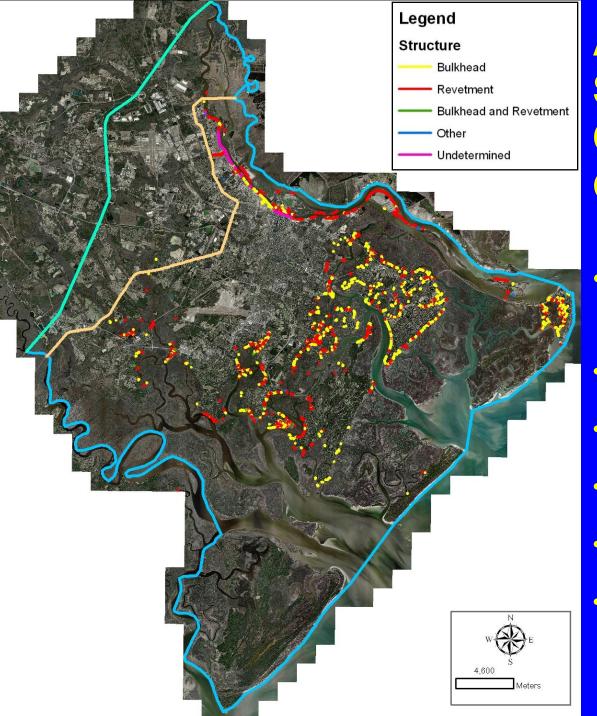


Shoreline Classification

- armored/developed
- dead oysters fronting beach
- dead oysters fronting marsh
- live oysters
- marsh scarp 20-50
- marsh scarp>50
- —— mudflat
- non-erosional sandy bluff
- oyster bar
- ----- restricted
- sand bar
- sandy beach
- sandy bluff
- —— upland
- upland scarp

Estuarine Shoreline Mapping for Resources and Dynamic Processes





Armored Shorelines in Chatham County, Georgia

- Number of structures: 1,651
- Total armoring: 108,479 m
- Bulkheads: 46,166 m
- Revetments: 55,978 m
- Both: 1,615 m
- Causeways: 71,658 m

