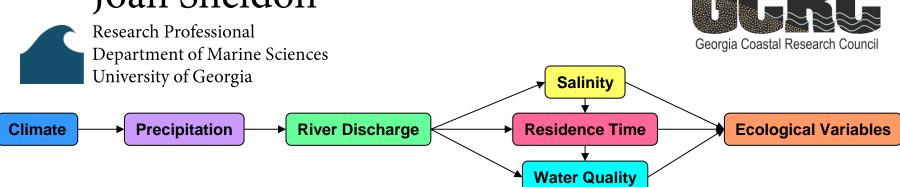
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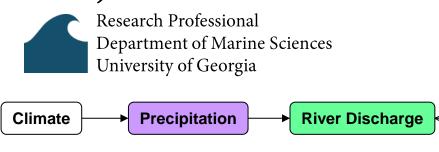




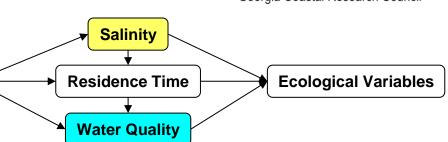




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Coastal water quality in Georgia

- Analyses of beach sanitary survey data and environmental variables
- Development and Analysis of Water Quality Indicators
- Georgia Coastal Water Quality 2000-2006 brochure
- Georgia Coastal Water Quality 2000-2010 update

Region 5: Doboy Sound



Doboy Sound is an estuary south of Sapelo Island (see Region 4). It indirectly receives Altamaha River water via the Darien River from the southwest (see Region 6 map), especially during high flow periods. Shellfish harvest areas are currently found in creeks to the north (New Teakettle Creek and Mud River), and the estuary supports commercial and recreational fisheries for blue crabs. This region includes sites sampled through the Sound (pink) and Shellfish

Median dissolved oxygen conditions in 2000 were fair in upper Doboy Sound and good at other sites, with fair extreme conditions throughout the region. Conditions in 2001 were similar except for poor extreme conditions at two upstream creek shellfish sites. In 2002, all sites had good median conditions and fair extreme conditions. Most sites exhibited fair median and extreme conditions during 2003, but improved during 2004-2006 with good median conditions at all sites, although extreme conditions generally remained fair

Dissolved inorganic nitrogen was fair during the study period.

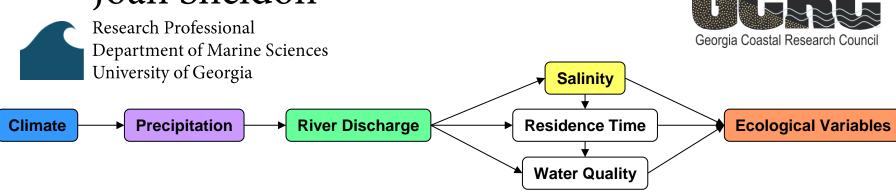
Total dissolved phosphorus was fair during the study period.

pH criteria are based on fluctuations around the normal condition. pH stability in this region was generally good during the study period, with occasional fair extreme conditions, which were more prevalent in 2005 than in 2004 or 2006. The upstream Old Teakettle Creek shellfish site (4177) had fair extreme conditions each year.



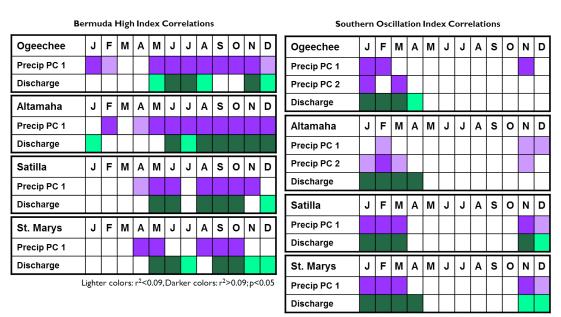
					•				Inorganic Nitrogen					Total Phosphorus							
	2000	Dis:	2002	ea 2002	202 OXV	ger 5002	2006	100I	gan 8002	2004	2005	gen 900Z	2002	2003	2004	5002 2002	700g	2004	∆pH 2002	9002	
4356		Ö		Ö				Ö			Ö				Ö		Ö				
4332																					
DB4																					
4333																					
4177																					
4175																					
DB6																					
DB5																					
DB1																					
DB2																					
DB3																					

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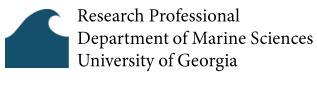
Climate effects on inflow to estuaries

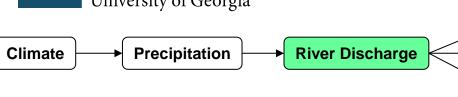
- Altamaha River
 - Spartina productivity
- Ogeechee/Ossabaw
- Satilla/St. Andrew
- St. Marys/Cumberland
- Shrimp and crab surveys in Ossabaw, St. Andrew, and Cumberland Sounds



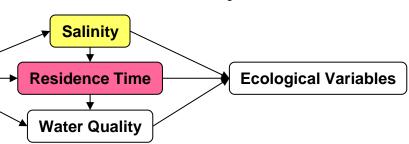
Lighter colors: r²<0.09, Darker colors: r²>0.09; p<0.05











SqueezeBox 1-D estuary box modeling framework

- Altamaha
 - WASP parameterization
 - SLAMM salinity
- Ogeechee
- Satilla (current GCRC funding)

