

Biographical sketch: William B. Savidge, Assistant Professor
(william.savidge@skio.usg.edu)

Professional Preparation:

<u>Institution</u>	<u>Major</u>	<u>Degree, Year</u>
Duke University, Durham, NC	Zoology	BS, 1981
Oregon State University, Corvallis, OR	Biological Oceanography	MS, 1986
North Carolina State University, Raleigh, NC 2001	Chemical Oceanography	PhD,

Appointments:

2013-present	Assistant Professor, University of Georgia
2010-2013	Assistant Professor, Skidaway Institute of Oceanography.
2003-2010	Assistant Research Professor, Skidaway Institute of Oceanography.
2001-2003	Visiting Scientist, Dept. of Ocean, Earth and Atmos. Sciences., Old Dominion U.

Five products

1. Savidge, DK, and WB Savidge. 2014. Seasonal Export of South Atlantic Bight and Mid-Atlantic Bight Shelf Waters at Cape Hatteras. *Cont. Shelf Res.* 74: 50-59.
2. Savidge, WB, and J Brandes. 2009. Addressing Challenges in Chemical Oceanography. *Eos, Trans. Am. Geophys. Union*, vol 90, no. 20, doi:10.1029/2009EO200004, 2009.
3. Savidge, WB, A Gargett, RA Jahnke, JR Nelson, DK Savidge, RT Short, and G Voulgaris. 2008. Forcing and dynamics of seafloor-water column exchange on a broad continental shelf. *Oceanography* 21: 179-184.
4. Savidge, WB, A Wilson, and G Woodward. 2016. Using a thermal proxy to examine sediment-water exchange in mid-continental shelf sandy sediments. *Aquatic Geochemistry* 22: 419-441.
5. Savidge, W. B., Brink, J., & Blanton, J. O. 2016. Limited influence of urban stormwater runoff on salt marsh platform and marsh creek oxygen dynamics in coastal Georgia. *Environmental Management* 58: 1074-1090.

Five other products:

1. Wilson, AM, GL Woodward, and WB Savidge. 2016. Using heat as a tracer to estimate the depth of rapid porewater advection below the sediment-water interface. *Journal of Hydrology* 538: 743-753. doi:10.1016/j.jhydrol.2016.04.047
2. Ryan J. Bell, WB Savidge, Strawn K. Toler, Robert H. Byrne, R. Timothy Short. 2102. In situ determination of porewater gases by underwater flow-through membrane inlet mass spectrometry. *Limnol. Oceanogr. Methods* 10:117-128.
3. Savidge, WB, RA Jahnke, JR Nelson, DK Savidge G Vuolgaris, RT Short, and A Gargett. 2007. Development of a Coastal Ocean Benthic Observatory to Study Sediment-Water Exchange Processes. In: S Tanabe, H Takeoka, T Isobe and Y Nishibe (eds.) *Chemical Pollution and Environmental Changes*. Universal Academy Press, Tokyo. pp. 383-392. (non-refereed proceedings volume)
4. Savidge, WB and NE Blair. 2004. Patterns of intramolecular isotopic heterogeneity within the amino acids of autotrophs and heterotrophs. *Oecologia* 139: 178-189.
5. Chua, EJ, WB Savidge, RT Short, AM Cardenas-Valencia, and RW Fulweiler. 2016. A review of the Emerging Field of Underwater Mass Spectrometry. *Frontiers in Marine Science*, 3. doi:10.3389/fmars.2016.00209

Synergistic activities:**Students and teaching**

1. Co-supervised a group of 4 summer undergraduate engineering interns working on salt marsh and tidal creek observatory data sets.
2. Co-supervised a group of 9 summer undergraduate engineering interns working on coastal observatory data sets, and have supervised five other individual summer research interns on various projects
3. Developed and taught two intensive summer oceanographic research field courses with undergraduate students from Kennesaw State University

Sessions and organizing

4. Co-convenor: "Unknown Knowns and Known Unknowns: Chemical Oceanography in a Changing World." Savannah, GA, 2009. Session chair, "Nutrient Cycling in Permeable Sediments," 2010 Goldschmidt Conference, Knoxville, TN

Academic service:

5. Book and Journal review: Geochim. Cosmochim. Acta, J. Marine Res., Limnol. & Oceanogr., Prog. Oceanogr., Rapid Comm. Mass Specrom., Mar. Ecol. Prog. Series, Deep Sea Res., Estuar. Coastal and Shelf Sci.; book chapter: Interactions Between Macro- and Microorganisms in Marine Sediments. Proposal Review: NSF Chem. Oc., Polar Programs, Hydrology, FSML; Hawaii Sea Grant; SC Sea Grant, NOAA NURP. NSF Panelist: FSML