

CURRICULUM VITAE – William B. Savidge

Name William B. Savidge
Present Occupation Research Affiliate. Skidaway Institute of Oceanography
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Education:

Ph.D. in Chemical Oceanography, North Carolina State University, Raleigh, NC, 2001
M.S. in Biological Oceanography, 1986, Oregon State University, Corvallis, OR.
B.S. Zoology, 1981, Duke University, Durham, NC. Cum laude

Academic positions

Research Assistant Professor, Skidaway Institute of Oceanography, Savannah, GA. October 2003-June 2010.

Assistant Professor, Skidaway Institute of Oceanography, Savannah, GA. June 2010-July 2013.

Assistant Professor, Department of Marine Sciences, University of Georgia, Athens, GA. Aug 2013-2020 at Skidaway Institute of Oceanography.

Research Affiliate. Skidaway Institute of Oceanography, Savannah, GA. July 2020-

Other Professional Employment:

Research Technician, Skidaway Institute of Oceanography, Savannah, GA. February 1997-May 2000.

Visiting Scientist, Old Dominion University, Norfolk, VA. January 2001-October 2003.

Areas in which research is done

Continental Shelf and Estuarine Biogeochemistry, Sediment-Water Fluid Exchange, In Situ Instrument Development, Observatory Science

Committees:

SECOORA (Southeastern Coastal Ocean Observing Research Association). Board and Science Committee (2019-). Strategic Planning Committee (2020-).

Selected Publications

- Emily J. Chua, E. J., Short, R. T., Cardenas-Valencia, A. M., Savidge, W. B., and Fulweiler, R. W. (2021). A Mass Spectrometer-Based Porewater Sampling System for Sandy Sediments. *Limnology and Oceanography Methods* doi: 10.1002/lom3.10460
- Savidge, W.B., Doyle, K. R. & Woodson, C.B. (2020). Import, export, and recycling of dissolved nutrients in the Ogeechee River estuary (Georgia, USA). *Journal of Marine Research* 78(2): 59-89.
- Savidge, W. B., Wilson, A., & Woodward, G. (2016). Using a thermal proxy to examine sediment-water exchange in mid-continental shelf sandy sediments. *Aquatic Geochemistry* 22: 419-441.
- 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
- Chua, E. J., Savidge, W., Short, R. T., Cardenas-Valencia, A. M., & Fulweiler, R. W. (2016). A Review of the Emerging Field of Underwater Mass Spectrometry. *Frontiers in Marine Science*, 3. doi:10.3389/fmars.2016.
- Wilson, A. M., Woodward, G. L., & Savidge, W. B. (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.
- Savidge, D.K. & Savidge, W.B. (2014). Seasonal Export of South Atlantic Bight Shelf Waters at Cape Hatteras. *Cont. Shelf Res.* V74C, 50-59, doi: 10.1016/j.csr.2013.12.008.
- Bell, R.J., Savidge, W.B., Toler, S.T., Byrne, R.H., & Short, R.T. (2012). In Situ Determination of Porewater Gases by Underwater Flow-Through Membrane Introduction Mass Spectrometry. *L&O Methods* 10: 117-128.
- Savidge, W.B., J. Brandes. (2009). Addressing Challenges in Chemical Oceanography. *Eos, Trans. Am. Geophys. Union*, vol 90, no. 20, doi:10.1029/2009EO200004, 2009.
- Savidge, W.B., A. Gargett, R.A. Jahnke, J.R. Nelson, D.K. Savidge, R.T. Short, G. Voulgaris. (2008). Forcing and Dynamics of Seafloor-Water Column Exchange on a Broad Continental Shelf. *Oceanography* 21: 179-184.
- Savidge, W.B. & Blair, N. E. (2004). Patterns of intramolecular isotopic heterogeneity within the amino acids of autotrophs and heterotrophs. *Oecologia* 139: 178-189.
- Sharp, J.H., Beaugard, A. Y., Burdige, D., Cauwet, G., Curless, S., Lauck, R., Nagel, K., Ogawa, H., Parker, A. E., Primm, O., Pujo-Pay, M., Savidge, W. B., Seitzinger, S., Spyrès, G., & Styles, R. (2004). A direct instrument comparison for measurement of total dissolved nitrogen in seawater. *Marine Chemistry* 84: 181-193.