

KEITH WALTERS

Professor, Coastal Carolina University
 Department of Marine Science, P.O. Box 261954, Conway, SC 29528
 Phone: 843-349-2477; Email: kwalt@coastal.edu

EDUCATION AND TRAINING

University of South Florida	Ph.D.	Biology	1987
Florida State University	M.S.	Biology	1977
University of Oregon	B.S. (Honors)	Biology	1974

APPOINTMENTS

Coastal Carolina University, Department of Marine Science, Conway, SC		
Professor		2007-Present
Department Chair		2001-2003
Associate Professor		2001-2007
Middle Tennessee State University, Department of Biology, Murfreesboro, TN		
Associate Professor		1998-2001
Assistant Professor		1995-1998
University of Georgia, Marine Institute, Sapelo Island, GA		
Assistant Research Scientist		1990-1995
CSIRO, Marine Lab, Cleveland, QLD, AU		
Senior Fulbright Research Fellow		1988-1989
Stetson University, Department of Biology, DeLand, FL		
Assistant Professor		1987-1988
University of South Florida, Department of Biology, Tampa, FL		
Lecturer/Instructor		1985-1987
Oregon State University, School of Oceanography, Corvallis, OR		
Research Assistant (Data Base/Statistical Analyst)		1979-81
Blackwell North America, Beaverton, OR.		
Computer Systems Analyst/Operations Manager		1978-79

FIVE RELATED PRODUCTS

- (1) **Walters, K.**, C. Martin and T. Funk. 2022. Differences in resident prey survival on newly created shell and established natural intertidal oyster reefs. *Restoration Ecology* 30: e13630 (10 pgs.).
- (2) Knights, A.M., L.B. Firth and **K. Walters**. 2012. Interactions between multiple recruitment drivers: post-settlement predation mortality and flow-mediated recruitment. *PLoS ONE* 7: e35096 (8 pgs.).
- (3) Knights, A.M. and **K. Walters**. 2010. Recruit-recruit interactions, density-dependent processes and population persistence in the eastern oyster, *Crassostrea virginica*. *Marine Ecology Progress Series* 404: 79-90.
- (4) Hillard, R. and **K. Walters**. 2009. Prevalence, patterns and effects of shell damage on *Geukensia demissa* in South Carolina estuarine habitats. *Marine Biology* 156: 2149-2160.

- (5) Hutchens, J.J. and **Walters, K.** 2006. Gastropod abundance and biomass relationships with salt marsh vegetation within ocean-dominated South Carolina, USA estuaries. *Journal of Shellfish Research* 25: 947-953.

FIVE ADDITIONAL PRODUCTS

- (1) Pennings, S.C., S. Zengel, J. Oehrig, M. Alber, T.D. Bishop, D.R. Deis, D. Devlin, A. Randall Hughes, J.J. Hutchens, Jr., W.M. Kiehn, C.R. McFarlin, C.L. Montague, S. Powers, C.E. Proffitt, N. Rutherford, C.L. Stagg, **K. Walters.** 2017. Marine ecoregion and *Deepwater Horizon* oil spill affect recruitment and population structure of a saltmarsh snail. *Ecosphere* 7: e01588 (11 pgs.).
- (2) Cheplick, D. S., M. Motallebi, S. Richards, L. Dickes, G. Gaines, and **K. Walters.** 2021. Seafood consumption preferences and attributes influencing awareness of South Carolina aquaculture products. *Journal of Food Distribution Research* 52: 24-45.
- (3) Noe, Z., J. Selman, J.J. Hutchens, **K. Walters**, J.O. Luken and K.S. Godwin. 2014. Effects of shoreline development on composition and physical structure of plants in a South Carolina high marsh. *Estuaries and Coasts* 37: 56-66.
- (4) **Walters, K.**, J.J. Hutchens, E.T. Koepfler, and J.O. Luken. 2010. Local-scale characteristics of high-marsh communities next to developed and undeveloped shorelines in an ocean-dominated estuary, Murrells Inlet, SC. *Aquatic Sciences* 72: 309-324.
- (5) **Walters, K.** 2009. Integrating structural and functional metrics to assess the early success of salt marsh restoration. In: G.H. Pardue and T.K. Olvera eds., *Ecological Restoration*, Nova Science Publishers, Hauppauge, NY. pp. 111-139.

FIVE SYNERGISTIC ACTIVITIES

As president of the Benthic Ecology Meeting Society (2016-17) Dr. Walters organized and ran the 46th Annual Benthic Ecology Meeting jointly held with the spring meeting of the Southeastern Estuarine Research Society in 2017. Over 650 participants attended the 3 d meeting at which over 330 talks and 150 posters were presented (www.benthicsociety.org).

Funded by the Fish America Foundation/NOAA Restoration Center and Bunnelle Foundation, developed the Coastal Oyster Recycling and Restoration Initiative (CORRI) for Horry and Georgetown Counties, SC. The initiative collected >100 tons of shell, created reefs on >300' of shoreline in 9 estuaries, involved >100 stakeholders, and developed instructional exercises for >5 undergraduate classes.

President of the International Association of Meiobenthologists (2005-07) responsible for the quarterly societal newsletter and chairing the Thirteenth IAM Conference in Recife, Brazil.

Funded by SC Sea Grant, organized and ran a 2004 workshop with colleagues to develop approaches and metrics for determining intertidal oyster reef restoration success. The workshop led to my development of one of the first oyster restoration websites, Oyster Restoration Workgroup, currently a clearing house for all information pertaining to oyster reef restoration (www.oyster-restoration.org). Webmaster for site until 2018.

Over a career spanning >30 yrs., has directed the research and/or served on the committees of >50 undergraduate researchers, >25 M.S. graduate researchers, 2 Ph.D. researchers, and 2 Post-doctoral researchers.