

Kenneth L. Heck, Jr.
Dauphin Island Sea Lab
101 Bienville Boulevard, Dauphin Island AL 36528
251-861-2141, x-2284; kheck@disl.org

Education

Ph.D., Ecology, Florida State University
M.S., Biology, Florida State University
B.S., Biology, University of West Florida

Current Appointments

2011- Professor and Chair, University Programs, Dauphin Island Sea Lab
2013- President, Coastal and Estuarine Research Federation (CERF)
2008- Adjunct Professor, School of Plant Biology, University of Western Australia

Editorial Positions:

Editor, Gulf of Mexico Science (2009-)
Contributing Editor, Marine Ecology Progress Series (1997-Present)
Senior Editorial Advisor, Marine Ecology Progress Series (1989-1997)
Associate Editor, Estuaries (1995-1998)
Book Review Editor, Systematic Zoology (1988-1990)

Relevant Publications

Hyndes, G.A., **K L. Heck Jr.**, E.S. Harvey, G.A. Kendrick, P.S. Lavery, K.McMahon, R. J.Orth, A. Pearce, M. Vanderklift, A.Vergés, T.Wernberg, S.Whiting and S.Wilson. 2016. Accelerating tropicalization and the transformation of temperate seagrass meadows. *Bioscience* (in Press).

McDonald, A.M., P. Prado, **K.L. Heck, Jr.**, J.W. Fourqurean, T.A. Frankovich, K.H. Dunton and J. Cebrian. 2016. Seagrass growth, reproductive and morphological plasticity across environmental gradients over a large spatial scale. *Aq Bot.* (in press).

K. L. Heck Jr., F. J. Fodrie, S. Madsen, C. J. Baillie, D. A. Byron. 2015 Seagrass consumption by native and a tropically associated fish species: potential impacts of the tropicalization of the northern Gulf of Mexico. *Mar Ecol Progr Ser* 520: 165-173

Marco-Mendez, C., L.M. Ferrero-Vicente, P. Prado, **K.L. Heck, Jr.**, J. Cebrian, J.L. Sanchez-Lizaso. 2015. Epiphyte presence and seagrass identity influence rates of herbivory in Mediterranean seagrass meadows. *Est Coast Shelf Sci* 154: 94-101.

Verges, A., P.D. Steinberg, M.E.Hay, A.G.Poore, A.H.Campbell, E.Ballesteros, **K.L. Heck, Jr.**, D.J.Booth, M.A.Coleman, D.A.Feary, W. Figueira, T.Langlois, E.M.Marzinelli, T.Mizerek, P.J.Mumby, Y.Nakamura, M.Roughan, E.van Sebille, A.Sen Gupta, D.A.Smale, F.Tomas, T. Wernberg and S.K.Wilson. 2014. The tropicalization of temperate marine ecosystems: climate-mediated changes in herbivory and community phase shifts. *Proc Roy Soc B*: 20140846.

Significant Publications

Sharma, S., J.Goff, R.M. Moody, D.Byron, **K.L. Heck Jr.**, S.P. Powers, C.Ferraro and J.Cebrian. 2016. Do restored oyster reefs benefit seagrasses? An experimental study in the Northern Gulf of Mexico. *Rest Ecol.* (DOI: 10.1111/rec.12329)

Hill, J.M. and **K. L. Heck, Jr.** 2014. Non-consumptive effects of avian predators on fish behavior and cascading indirect interactions in seagrasses. *Oikos* 124: 750-761.

Farina, S. R. Arthur, J.F. Pagès, P. Prado, J. Romero, A. Vergés, G. Hyndes, **K. L. Heck, Jr.**, S. Glenos and T. Alcoverro. 2014. Differences in predator composition alter the direction of structure-mediated predation risk in macrophyte communities. *Oikos* 123: 1311-1322.

Fodrie, F.J., K.W. Able, F. Galvez, **K. L. Heck, Jr.**, O.P. Jensen, P. C. Lopez-Duarte, C.W. Martin, R. E. Turner, and A.W. Whitehead. 2014. Integrating Organismal and Population Responses of Estuarine Fishes in Macondo Spill Research. *Bioscience* 64: 778-788.

Gericke, R.L., **K.L. Heck Jr.** and F.J. Fodrie. 2014. Interactions between northern-shifting tropical species and native species in the northern Gulf of Mexico. *Est Coasts* 37: 952-961.

Synergistic Activities

Advisory Panels: Gulf of Mexico Fishery Management Council: Coral Advisory Panel and Ecosystem Scientific & Statistical Committee; Mobile Bay National Estuary Program: Scientific Advisory Panel; Florida Bay Program: Oversight Panel; EPA Nutrient Review Criteria Panel (2010-11); Chesapeake Bay Scientific and Technical Advisory Committee SAV Review Panel (2011), NRC Panel (2015-2016)

Workshops and Meetings Organized: Benthic Ecology Meeting Organizer (1993, 2000); Co-Organizer with J. Valentine and S. Powers (2004, 2011); International Seagrass Biology (ISBW8) Workshop Coordinator

Professional Service: Contributing Editor, *Marine Ecology Progress Series*; Editor, *Gulf of Mexico Science*; Coastal and Estuarine Research Federation (CERF), Committee Member for the Odum Award (lifetime achievement award for CERF members, 2010-2011), President-elect of CERF (2011-2012), President of CERF (2013-2015), Past President of CERF (2015-2017).

Recent Appointments: 2010- Visiting Scholar, University of Alicante, Alicante, Spain; 2008 - Visiting Senior Research Fellowship, Edith Cowan University, Western Australia, January - February, 2008. 2008 – Adjunct Professor, Department of Plant Sciences, University of Western Australia

Undergraduate, Graduate and Post-Doctoral Training- PI on the Dauphin Island Sea Lab's NSF-REU program for 5 years, mentor of REU students for the past 10 years, support of more than 50 undergraduate interns in my lab. I have also served as Major Advisor for 17 M.S. and 5 PhD students, as well as 7 post-doctoral fellows, and two Fulbright Fellows

Collaborators (last 48 months): J Cebrian-Dauphin Island Sea Lab (DISL), Co-authors listed above in "Five Other Publications" D David (DISL), F Joel Fodrie (University of North Carolina), CW Martin (Louisiana State University), C Marco-Mendez (University of Alicante, Spain), J Hill (Louisiana Technical University), JL Sanchez-Lisazo (University of Alicante, Spain), J W Valentine (DISL)

Post-Doctoral Advisees: Loren Coen (Florida Atlantic University), Michael Judge (Manhattan College), Johanna Mattila (Abo Akademi University, Finland), Per Moksnes (Univ of Gothenburg, Sweden), Patricia Prado (IRTA, Sant Carles de la Rapita, Spain), Jennifer Hill (Louisiana Tech University), John Valentine (DISL), Cyndi Moncrief (Private Consultant), F Joel Fodrie (University of North Carolina)

Graduate Students (c=current; p=past): Mary Kennedy (c), Anthony Marshak (p), Whitney Scheffel (p), Rebecca Gericke (p), Joseph Myers (p), Karen Fisher (p), Lesley Baggett (p), Robert Gutierrez (p), Kelly McKay (p), Carly Steeves (p), Matthew Johnson (p), Dale Booth (p), Bradley Furman (p), K. Lindsey Kramer (p), Margene Goecker (p), Deborah Kilbane (p), Stacy Harter (p), Leslie Gallagher (p), Jason Stutes (p), Kristen Walker (p), Bradley Peterson (p), Patricia Spitzer (p), Katherine Canter (p), Paul Bologna (p), Patric Harper (p), Laurie Sullivan (p), Susan Sklenar (p), Barbara Randall Gibbs (p), David Nadeau (p)