

Biographical Sketch:

Univ. of North Carolina at Chapel Hill
Institute of Marine Sciences
Morehead City, NC 28557 USA

STEPHEN R. FEGLEY

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A. Professional Preparation

Lebanon Valley College, Annville, Pa.
Univ. of North Carolina at Chapel Hill

Biology B.S. - 1978
Biology Ph.D. - 1985

B. Appointments

UNC Inst. of Marine Sciences	Research Associate Professor	2008 - <u>present</u>
UNC Inst. of Marine Sciences	Associate Researcher	2007 - 2008
Maine Maritime Academy	Professor	2000 - 2007
Maine Maritime Academy	Assoc. Professor	1994 - 2000
Univ. of Maine at Orono	Graduate Faculty	1992 - 2007
Rutgers University	Visiting Asst. Res. Professor	1991 - 1996
Maine Maritime Academy	Asst. Professor	1991 - 1994
Rutgers University	Assistant Research Professor	1987 - 1991
Stockton State College	Assistant Professor	1985 - 1987

C. Selected Publications (out of 32)

- 1987 **Fegley, SR.** Experimental variation of near-bottom current speeds and its effects on depth distributions of sand-living meiofauna. Mar Biol 95:183-191.
- 1992 **Fegley, SR,** BA MacDonald, and TR Jacobsen. Short-term variation in the quantity and quality of seston available to benthic suspension feeders. Est Coastal & Shelf Sci 34: 393-412.
- 2001 **Fegley, SR** Demography and dynamics of hard clam populations. Pages 383-422 in Kraeuter, JN and M Castagna (Eds), The biology of the hard clam *Mercenaria mercenaria*. Elsevier Press.
- 2003 **Fegley, SR.,** SE Ford, JN Kraeuter, and HH Haskin. The persistence of New Jersey's oyster seedbeds in the presence of disease and harvest: the role of management. J Shellf Res 22:451-464.
- 2009 **Fegley, SR,** CH Peterson, NR Gerald, and DW Gaskill. Enhancing the potential for population recovery: restoration options for bay scallop populations, *Argopecten irradians concentricus*, in North Carolina. J Shellf Res 28: 477-489.
- 2011 JT Ridge, AB Rodriguez, **SR Fegley,** R Browne*, and D Hood*. A new 'pressure sensitive' method of measuring aeolian sediment transport using a Gauged Sediment Trap (GaST). Geomorphology 134:426-430.

- 2013 Rodriguez, AB, **SR Fegley**, JT Ridge, BM VanDusen, and N Anderson. 2013. Contribution of aeolian sand to backbarrier marsh sedimentation. Est, Coastal & Shelf Sci 117: 248-259.
- 2013 Manning, LM, CH Peterson, and **SR Fegley**. Degradation of surf-fish habitat driven by persistent sedimentological modifications caused by beach nourishment. Bulletin of Marine Science 89(1):83-106.
- 2013 Long, ZT, **S.R. Fegley**, and C.H. Peterson. Fertilization and plant diversity accelerate primary succession and restoration of dune communities. Plant Ecology 214:1419-1429.
- 2014 Maghsoud, H., A. Weiss, J.P.S. Smith III, M.K, Litvaitis, and **S.R. Fegley**. Diagnostic PCR can be used to illuminate meiofaunal diets and trophic relationships. Invertebrate Biology 133:121-127.
- 2014 Theuerkauf, E.J., A.B. Rodriguez, **S.R. Fegley**, and R.A Luetlich Jr. Sea-level anomalies exacerbate beach erosion. Geophysical Research Letters 41doi:10.1002/2014GL060544.
- 2015 VanDusen, B.M., E.J. Theuerkauf, S.R. Fegley, and A.B. Rodriguez. Monitoring overwash using water-level loggers resolves frequent inundation and runup events. Geomorphology in press.

D. Synergistic Activities

Scientific Steering and Advisory Committees: Maine Seagrass Policy Advisory Committee 1999-2007; Maine Marine Research Coalition 2005-07; State of Maine Department of Marine Resources Soft-Shell Clam Advisory Panel 1993-97; Chair of the Maine Shellfish Committee 1992-1994; Board of Directors of the Maine Aquaculture Innovation Center 1991-1994; Co-chair NC Bay Scallop Fishery Management Plan Advisory Committee 2012-2014 Haskin Shellfish Research Laboratory Stock Assessment Review Committee 2012-2014; UNC-GA Undergraduate Semester at the Coast Program Development Committee 2014-2015.

E. Graduate Student Committees:

Brian Beal (Univ of Maine, Orono)
 Martin Benavides (UNC-CH)
 Togue Brown (Univ of Maine, Orono)
 Ryan Carnegie (Virginia Institute of Marine Sciences)
 Chris Davis (Univ of Maine, Orono)
 Luke Dodd (UNC-CH)
 Linghan Dong (UNC-CH)
 Nate Geraldini (UNC-CH)
 Raul Gonzalez (UNC-CH)
 Sara Marschhauser (NC State)
 Ethan Theuerkauf (UNC-CH)
 Avery Paxton (UNC-CH)
 Erika Young (UNC-CH)