

B. Graeme Lockaby

Current position and address

Professor, Associate Dean of Research and Co-Director of the Center for Forest Sustainability, Auburn University, School of Forestry and Wildlife Sciences, Auburn, AL. 36849-5418 USA
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Education

BS Forestry	Clemson University	1975
MS Forestry*	Clemson University	1977
PhD Soils*	Mississippi State University	1981

* Minor in experimental statistics

Appointments

1986-Present: Professor, Associate Dean of Research and Co-Director of the Center for Forest Sustainability, School of Forestry and Wildlife Sciences, Auburn University, Alabama
1981-1986: Assistant Professor, Louisiana Tech University, Louisiana

Teaching experience

Research Methods, Forest Soils, Biogeochemistry, Forest Ecology

Publications

Jolley, R.L., B.G. Lockaby, R.M. Governo. In Press. Vegetation nutrient dynamics associated with sedimentation in headwater riparian forests. *Soil Science Society of America Journal*.

Jolley, R., B.G. Lockaby, and R.M. Governo. 2010. Biogeochemical influences associated with sedimentation in riparian forests of the Southeastern Coastal Plain. *Soil Science Society of America Journal* 74(1): 326–336.

Hamilton, S.G. and B.G. Lockaby. 2009. Floodplain forests and people: inextricably linked. *SWS Research Brief*. No. 2009-0007. October. p. 1-4.

Lockaby, B.G. 2009. Floodplain ecosystems of the Southeast: linkages between forests and people. *Wetlands* 29(2):407-412.

Jolley, R.L., B.G. Lockaby, and G.G. Cavalcanti. 2009. Productivity of ephemeral headwater riparian forests impacted by sedimentation in the southeastern United States coastal plain. *Journal of Environmental Quality* 38:965-979.

Faucette, L.B., J. Governo, R. Tyler, G. Grigley, C.F. Jordan, and B.G. Lockaby. 2009. Performance of compost filter socks and conventional sediment control barriers used for perimeter control on construction sites. *J. Soil and Water Conservation* 64(1):81-88.

Ozalp, M., W. Conner, and G. Lockaby. 2008. Aboveground productivity and litter decomposition in a tidal freshwater forested wetland on Bull Island, SC. *Forest Ecology and Management*. In press.

Lockaby, B.G., W.H. Conner, and J. Mitchell. 2008. Floodplains, In: *Encyclopedia of Ecology*. Elsevier, London. In press.

Schoonover, J.S., B.G. Lockaby, and J. Shaw. 2007. Channel morphology and sediment origin in streams draining the Georgia Piedmont. *Journal of Hydrology* 342(1):110-123.

Anderson, C. and B.G. Lockaby. 2007. Soils and biogeochemistry of tidal freshwater forested wetlands. In: *Ecology of Tidal Freshwater Forested Wetlands of the Southeastern US*. W.H. Conner, T.W. Doyle, and K.W. Krauss (eds). Springer-Verlag. 505 p.

Cavalcanti, G.G. and B.G. Lockaby. 2006. Effects of sediment deposition on aboveground net primary productivity, vegetation composition, and structure in riparian forests. *Wetlands* 26(2):400-409.

Schoonover, J.S., B.G. Lockaby, and B. Helms. 2006. Effects of watershed land use on perennial streams of west Georgia, USA. 1: Influence of urban development on stream hydrology. *Journal of Environmental Quality* 35:2123-2131.

Schoonover, J.S. and B.G. Lockaby. 2006. Land cover impacts on stream nutrients and fecal coliform in the lower Piedmont of West Georgia. *Journal of Hydrology* 331(3-4):371-382.

Schilling, E. and B.G. Lockaby. 2006. Relationships between productivity and nutrient circulation within two contrasting southeastern U.S. Floodplain forests. *Wetlands* 26(1):181-192.

Schoonover, J., B.G. Lockaby, and S. Pan. 2005. Changes in chemical and physical properties of stream water across an urban-rural gradient in western Georgia. *Urban Ecosystems* 8:107-124.

Cavalcanti, G.G. and B.G. Lockaby. 2005. Effects of sediment deposition on fine root dynamics in riparian forests. *Soil Science Society of America Journal* 69:729-737.

Lockaby, B.G., R. Governo, E. Schilling, G. Cavalcanti, and C. Hartsfield. 2005. Effects of sedimentation on soil nutrient dynamics in riparian forests. *Journal of Environmental Quality* 34:390-396.

Lockaby, B.G., D. Zhang, J.M. McDaniel, H. Tian, and S. Pan. 2005. Interdisciplinary research at the urban-rural interface: The WestGA Project. *Urban Ecosystems* 8:7-21.

Schilling, E.B. and B.G. Lockaby. 2004. Biomass partitioning and root architecture responses of loblolly pine seedlings to tillage in Piedmont and Coastal Plain soils. *Southern Journal of Applied Forestry* 28(3):76-82.

Recent scientific collaborators

Marianne Burke, USDA Forest Service, Center for Forested Wetlands Research, Charleston, SC.

William Conner, Baruch Institute of Coastal Ecology and Forest Science, Clemson Univ., SC.

B.D. Keeland, National Wetlands Research Center, Lafayette, LA.

D.K. Kennard, USDA Forest Service, Auburn, AL.

Calvin Meier, USDA Forest Service, Center for Bottomland Hardwoods Research, Pineville, LA.

Robert Rummer, USDA Forest Service, Engineering Research Unit, Auburn, AL.

S. H. Schoenholtz, Oregon State University, OR.

John A. Stanturf, USDA Forest Service, Athens, GA.

Carl Trettin, USDA Forest Service, Center for Forested Wetlands Research, Charleston, SC.

M. Walbridge, Department of Biology, University of West Virginia, WV.