


United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of:	Progress Energy Florida, Inc. (Levy County Nuclear Power Plant, Units 1 and 2)
	ASLBP #: 09-879-04-COL-BD01
	Docket #: 05200029 05200030
	Exhibit #: PEF402-00-BD01
	Admitted: 10/31/2012
	Rejected:
	Identified: 10/31/2012
	Withdrawn:
	Stricken:
	Other:

VITA
KEVIN M. ROBERTSON
April 18, 2012

Contents	Page
CONTACT INFORMATION.....	2
EDUCATION	2
TRAINING AND CERTIFICATION	2
EXPERIENCE	2
HONORS AND AWARDS	4
PROFESSIONAL AFFILIATIONS	4
PROFESSIONAL ACTIVITIES	4
Conferences, Symposia, and Workshop Organization	4
Community Service Activities	4
Tall Timbers Service Activities	5
Review and Editing	6
Media Outreach	7
UNIVERSITY ACTIVITIES.....	8
Teaching.....	8
Adjunct Faculty Appointments.....	8
Graduate Students	8
Other Student Mentorship	9
GRANTS RECEIVED.....	9
PUBLICATIONS.....	10
Peer-reviewed	10
Extension	11
Grant Reports	12
PROFESSIONAL PRESENTATIONS	12
Invited.....	12
Contributed	14

VITA
KEVIN M. ROBERTSON

CONTACT INFORMATION

Tall Timbers Research Station and Land Conservancy
13093 Henry Beadel Drive
Tallahassee, FL 32312
Office Phone: 850-893-4153 ext. 254
Email address: krobertson@ttrs.org

EDUCATION

PhD in Plant Biology, 2001. University of Illinois at Urbana-Champaign. Dissertation: The influence of fluvial geomorphic processes on spatial patterns of forest primary succession.

MS in Plant Biology, 1996. University of Illinois at Urbana-Champaign. Thesis: Geomorphic processes and spatial patterns of primary succession on the Bogue Chitto River, USA.

BS in Botany, 1993. Louisiana State University.

TRAINING AND CERTIFICATION

National Wildfire Coordinating Group Training Courses:

- I-100 - Introduction to the Incident Command System
- S-130 - Basic Wildland Firefighter Training
- L-180 - Human Factors in the Wildland Fire Service
- S-190 - Introduction to Wildland Fire Behavior
- S-290 - Intermediate Wildland Fire Behavior
- S-300 - Prescribed Fire Burn Boss
- S-390 - Introduction to Wildland Fire Behavior Calculations
- RX-510 - Advanced Fire Effects

Florida Interagency Prescribed Fire Certification Course

Georgia Forestry Commission Prescribed Burn Certification Course

Mississippi Forestry Commission Prescribed Burn Certification Course

EXPERIENCE

Fire Ecology Research Scientist, Tall Timbers Research Station and Land Conservancy, Tallahassee, Florida, January 2003-present. Conduct research in the areas of fire ecology, plant ecology, fire science, and related fields. Obtain external funding. Publish results in peer-reviewed and other publications. Supervise technicians and interns on research projects. Provide extension and education to government agencies, land owners, managers, and visitors on topics relating to the use of fire, forestry, and game management. Maintain adjunct faculty appointments and mentor graduate students. Participate in long-term

monitoring and land management decisions for Tall Timbers properties and easements. Provide assistance to the Tall Timbers Land Conservancy. Curate the herbarium. Organize the Tall Timbers Fire Ecology Conferences. Research 50 %, Extension 40 %, Administration 10 %.

Land Conservation Specialist, Tall Timbers Research Station and Land Conservancy, Tallahassee, Florida, July 2001-December 2002. Surveyed private properties to document high-quality natural resources for preparation of conservation easements in the Red Hills Region of southern Georgia and northern Florida. Created natural resource maps using GPS and GIS. Participated in outreach and extension activities.

Land Steward, The Nature Conservancy, Covington, Louisiana, March 1999-September 2000. Worked as part of a prescribed burn crew in pine forest preserves. Designed and conducted pine forest ecology research and vegetation monitoring on land preserves.

Map Technician, University of Illinois, January-May 1997. Interpreted aerial photographs to create soil maps of New Mexico desert landscapes for a grant-funded project.

Teaching Assistant, "Field Ecology", University of Illinois, April 1996. Developed and led a 10-day field trip to Louisiana to teach the ecology, natural history, and geomorphology of southeastern coastal plain habitats.

Teaching Assistant, "Plant Ecology", University of Illinois, September-December 1996. Lectured, led discussions on scientific papers, facilitated cooperative learning activities, organized and taught overnight ecology trips and weekly field trips, advised and graded students on their independent field ecology research projects.

Teaching Assistant, "Plants, People, and the Environment", University of Illinois, January-May 1997 and August-December 1997. Lectured, led discussions, prepared and administered laboratory experiences, counseled students on group and individual projects, and led field trips.

Research Associate, University of Illinois, Urbana, Illinois, September-December 1996. Studied the role of crayfish in vertically translocating rock fragments from the glacial outwash into Midwestern loess soils for a grant-funded project.

Research Assistant, U. S. Army Corps of Engineers Construction Engineering Research Laboratory, Champaign, Illinois, August 1995-May 1996. Composed documents and visited military installations to advise managers on identifying and preserving local species and habitats.

Research Associate, Louisiana State University, January 1994-August 1994. Interpreted aerial photographs and satellite images to map vegetation maps for research. Led field crew to map trees for a long term study of population dynamics of slash pine in Everglades National Park.

Research Associate, Louisiana State University, March-May 1992. Mapped tree canopy patterns in a Mississippi River floodplain forest to document changes following a hurricane and to relate species distributions with geomorphic features.

Research Assistant, Louisiana State University, September 1990-August 1991. Investigated the life histories and interactions of dung beetles, mites attached to them, and fungal parasites on mites.

Research Associate, Everglades National Park, Florida and Louisiana State University, May-July 1990, May-July 1991, June 1992, June 1993, July 1997. Field study in the Florida Everglades to track the reproductive response of epiphytic Bromeliads during seven years following a large fire and hurricane. Conducted field work for initial two years of a twenty-

year study on the effects of different fire regimes on succession between pinelands and grasslands.

HONORS AND AWARDS

Golden Key National Honor Society, 1991.
Omicron Delta Kappa National Leadership Honor Society, 1991.
Botanical Society of America Young Botanist Award, 1992.
Phi Beta Kappa Honor Society, 1995.
Phi Kappa Phi Honor Society, 1995.

PROFESSIONAL AFFILIATIONS

Ecological Society of America
Association for Fire Ecology - Executive Committee Member for Southeast Section
Longleaf Alliance
Natural Areas Association
Georgia Prescribed Fire Council - Steering Committee Member Alternate
North Florida Prescribed Fire Council - Steering Committee Alternate

PROFESSIONAL ACTIVITIES

Conference, Symposia, and Workshop organization.

University of Florida IFAS Longleaf Pine Groundcover Restoration Symposium Steering Committee, 2004.
Longleaf Alliance Conference Steering Committee, 2004.
Florida Burn Monitoring Workshops, grant Co-PI and organizer, 2005.
Association of Fire Ecology 3rd International Fire Congress Program and Special Sessions Committee, moderator, 2006.
Florida and Georgia Fire Summit Steering Committee, 2008
23rd Tall Timbers Fire Ecology Conference Steering Committee 2004
24th Tall Timbers Fire Ecology Conference Steering Committee, Conference Chair 2009.
Fire Science Delivery Focus Groups, grant Co-PI and organizer, 2009.
Wildland Fire Particulate Matter Emission Factor Workshop, organizer and moderator, 2012.

Community Service Activities

Site consultations 2003-present: 34
Requests for information 2003-present: 292
Leon Co. Board of Commissioners Science Advisory Council 2003-2008, Vice-chair 2007-2008
Leon County Board of Commissioners committee to determine natural community criteria for county conservation easements, 2003.
National Interagency Prescribed Fire Training Center Course lecturer, 2003, 2004, 2005, 2006, 2007, 2008, 2009.

North Florida Prescribed Fire Council Steering Committee Alternate, 2006-present.
Georgia Prescribed Fire Council Steering Committee, 2004-present.
Southeast Fire Ecology Partnership Member, 2004-present.
Kate Ireland Parkway Fire Management Committee Coordinator, 2004-2008.
LANDFIRE Fire Regime Condition Class Workshop Participant, 2004-2005.
Pebble Hill Bird Festival prescribed fire demonstrations and field tours, 2003, 2004, 2005, 2006, 2007, 2008.
Florida Division of Forestry Workshop Participant, "Florida's Forests - Setting the Course for 2030", 2005.
Georgia Cogon Grass Action Committee, 2006.
National Wildfire Coordinating Group Course Rx-510 First and Second Order Fire Effects, Faculty Member and Lecturer, 2006.
FRAMES Southern Fire Portal Advisory Committee, 2006.
Florida Sandhills Working Group, 2008-present.
National Wildfire Coordinating Group Course Rx-310, Introduction to Fire Effects, Faculty Member and Lecturer, 2008.
Florida Governor's Climate Change Action Team, Technical Working Group on Agriculture, Forestry, and Waste Management, 2008.
Association for Fire Ecology Southeast Section, Executive Board, Chair of the Research Committee, 2008-present.
Joint Fire Science Program Southern Fire Exchange consortium for fire science delivery, grant Co-PI and Steering Committee Member, 2009-present.
North American Carbon Program, Carbon Cycle Working Group, 2009.
Christian Ecologists Mixer, Ecological Society of America Annual Meeting, founder and facilitator, 2003-present.
Southern Fire Exchange Consortium Co-PI, Steering Committee Member, and Co-founder 2009-present.

Tall Timbers Service Activities

Herbarium Curator
Tall Timbers Conservancy assistance with Conservation Plans and Easement Reports
Tall Timbers Open House prescribed fire demonstrations, annually 2005-present
Fall Field Day assistance, annually 2003-present.
Stewardship Field Day planning, field presentation, 2004.
Strategic Planning Committee, 2005, 2009.
Land Management Planning Team, 2003-present.
Computer/GIS Advisory Committee, 2004-present.
Tall Timbers Public Awareness Campaign Committee, 2005, 2009.
Prescribed Burning on Tall Timbers, Pebble Hill Plantation, Wade Tract, 2003-present.
Wade Tract Burn Boss, 2009-present.
Red Hills Horse Trials Fund Raiser assistance, annually 2003-2007.
Plantation Wildlife Arts Festival Fund Raiser assistance, annually 2003-2006.
Leadership Tallahassee - prescribed burn demonstrations, annually 2004-2008.

Youth Leadership Tallahassee - prescribed burn demonstration, 2008.
Leadership Thomasville - prescribed burn demonstrations, annually 2004-2008.
Land Incentive Program Committee for habitat restoration on Tall Timbers, 2005-present.
Tall Timbers Oral History Project assistance, 2004, 2005.
Search Committees for 5 positions, 2003-2009.
External Review Preparation Committee, 2009.

Review and Editing

Scientific journal peer-reviews:

American Midland Naturalist - 2003 (2)
Ecological Applications - 2006
Ecology - 2004
Fire Ecology - 2005, 2006
Forest Ecology and Management - 2009
International Journal of Wildland Fire - 2011
Journal of Biogeography - 2005 (2), 2006
Journal of Forest Research - 2006
Journal of the Torreya Botanical Society - 2003
Landscape and Urban Planning - 2008
Natural Areas Journal - 2007
Plant Ecology - 2005
Proceedings of the 3rd Fire in Eastern Oak Forest Conference - 2005
Restoration Ecology - 2005
Southern Journal of Applied Forestry – 2008, 2010, 2011
Wetlands - 2011

Grant Review Committees:

National Council for the Science of Sustainable Forestry, 2004
Joint Fire Sciences Program Graduate Research Innovation Award, 2011
Strategic Environmental Research and Development Program, 2012

Conference Editing:

Abstracts for Tri-state Longleaf Pine Groundcover Restoration, 2004
Abstracts for 23rd Tall Timbers Fire Ecology Conferences, 2004
Abstracts for 3rd International Fire Congress, 2005
2 manuscripts for 23rd Tall Timber Fire Ecology Conference Proceedings, 2004
Abstracts for 24th Tall Timbers Fire Ecology Conference, 2009
Editor of 24th Tall Timbers Fire Ecology Conference Proceedings, 2009
Abstracts and summary of Wildland Fire PM Emission Factor Workshop, 2012

Other Reviews and Editing:

Book chapter in *Longleaf Pine Ecosystems: Ecology, Silviculture, and Restoration*, 2003
Red Hills Forest Stewardship Guide, 2003.
NRCS Guidelines for Firebreaks, 2003

Fire Ecology Encyclopedia Network webpage, 2004
Book chapters in *The History of Tall Timbers*, 2008-2009
Friendly reviews of manuscripts, grant proposals, and dissertations - 19 total, 2003-2011

Media Outreach

U. Florida IFAS Florida Master Naturalist Certification Course. Interviewed for cable channel broadcast regarding pine communities of Florida, May 5, 2004.

Augusta Chronicle, South Carolina. Interviewed regarding fire plans in the Sumter National Forest, June 8, 2004.

Queensland Times, Australia. Interviewed regarding bushfires in Queensland, October 18, 2004.

Tallahassee Democrat newspaper, Florida. Interviewed regarding Prescribed Fire Awareness Week, March 7, 2005.

Washington Post, Washington DC. Interviewed regarding the need for prescribed burning in the South, July 7, 2005.

Georgia Outdoors cable TV series. Interviewed regarding prescribed burning in Southern pinelands, October 25, 2005.

WCTV, Tallahassee, Florida. Interview at Kate Ireland Parkway Restoration regarding fire effects, March 21, 2006.

Daytona Beach News Journal newspaper, Florida. Interviewed about need for prescribed burning, April 19, 2006.

Naples Daily News, Florida. Interviewed regarding prescribed burning, May 10, 2006.

Southern Forests Network News and Notes. Interviewed for article about effects of prescribed burning on soils.

Capital Ideas Live! podcast for Alabama Forest Owners Association. Interviewed about effects of burning on soil health, July 1, 2006.

Timber Talk radio show, Alabama. Interviewed regarding fire regimes and soil quality. August 22, 2006.

Fox & Friends national TV cable network. Interviewed regarding Esperanze Fire in Riverside County, California, October 28, 2006.

Joint Fire Science Program Report, Moscow, Idaho. Interviewed regarding JFSP-funded burn severity mapping research in Apalachicola National Forest, November 27, 2006.

Progressive Farmer Magazine. Interviewed about prescribed burning on private lands, May 10, 2007.

Greenwire National News. Interviewed about Florida wildfires, May 15, 2007

Tallahassee Democrat newspaper, Tallahassee, Florida. Interviewed about prescribed burning in Florida, May 18, 2007.

National Public Radio, Talk of the Nation Science Friday. Interviewed about wildfires in California and Florida, May 19, 2007.

Red Hills Region documentary. Interviewed regarding prescribed fire in southern forests, May 31, 2007.

Thomasville Times-Enterprise newspaper. Interviewed regarding the need for prescribed fire, January 17, 2008.

Thomasville Today cable TV show. Interviewed about need for prescribed fire, March 27, 2008.

Carbon Sequestration in Southern Forests video series, University Florida IFAS. Presentation regarding effects of fire regime on southern pine forest soils, April 10, 2009.
A Forest in Balance documentary. Interviewed about the need for and how to conduct prescribed fires, August 27, 2009.
WCTV, Tallahassee, Florida, *In the Spotlight*. Interviewed regarding Florida Prescribed Fire Awareness Week.

UNIVERSITY ACTIVITIES

Teaching

Guest Lecturer, Florida State University:

Environmental Planning and Urban Development (URP 5421), 2003, 2004, 2005, 2006, 2007, 2008, 2009

Field Botany (BOT 3143), 2006, 2007, 2008, 2009, 2010, 2012

Careers in the Biological Sciences (BSC 3938), 2005, 2008, 2009, 2010, 2011

Guest Lecturer, Florida A&M University, Environmental Studies (ES 3245), 2003, 2004, 2005, 2006, 2007

Adjunct Faculty Appointments

Florida State University, Department of Biological Sciences, 2004-present

University of Florida, Department of Wildlife Ecology and Conservation, 2005-present

Auburn University, Department of Agronomy and Soils, 2005-present

Louisiana State University, Department of Biological Sciences, 2007-present

University of Florida, School of Forest Resources and Conservation, 2008-present

Graduate Students

Main Advisor:

Susan Carr, PhD in 2008, University of Florida, Department of Wildlife Ecology and Conservation. Floristic and environmental variation in pyrogenic pinelands of the southeastern Coastal Plain.

Tracy Hmielowski, PhD candidate, Louisiana State University, Department of Biological Sciences. Resprouting response of southeastern U.S. pine forest hardwood species to fire, mechanical treatment, and season of disturbance.

Committee Member:

Darin Elair, PhD candidate, Louisiana State University, Department of Biological Sciences. Effects of fire regime and competition on pineland hardwood dynamics.

Rebecca Carmichael, PhD candidate, Louisiana State University, Department of Biological Sciences. Effects of fire on an invasive fern in southern longleaf pine forests.

Mindy McCallum, MS in 2010, Louisiana State University, Department of Biological Sciences. Effects of weather, fuels, and management on fire severity in a southeastern pine savanna.

David Godwin, PhD candidate, University of Florida, School of Forest Resources and Conservation. Soil respiration in response to fire regime in a southeastern U.S. pine forest.

Other Student Mentorship

Interns

2003 - Anna Deyle

2004 - Andrew Rush, Jonathan Pywell, Daryl Marois

2005 - James Albright, Lilly Stinson, Joelle Robertson, Collin Fridley, Erica Rau

2006 - David Zhou, Brian Poirrier, Heather Young, Ann George, Alana Gaskill, Joao Tome

2007 - Carrie Westcott, Henry Mimms, Elyse Barksdale, Ellery Sedgwick, Robert Moore

2008 - Caly Murphy, Daniel Godwin, Jessica Bowen, John Allen, Brandon Basino, Rachel Espinosa, Vivian Bernadine, Rebecca Justiniano

2009 - George Bruner, Charles Bruner, Lauren Gershon, Diana Zheng

2010 - Bailey Spitzner, Meredith Leidy

2011 - Bailey Spitzner, Alex Chapman, Andrew Martin, Kellen Callahan, Kyle Sumner

2012 - Devin Joseph

GRANTS RECEIVED

\$4,000 Grant from Gene Phipps, 2003, PI. Fuel measurement and fire behavior validation in upland pine forests in southern Georgia.

\$5,000 Grant from R. Panuska, 2003, PI. Fuel measurement and fire behavior validation in upland pine forests in southern Georgia.

\$42,000 Florida Fish and Wildlife Conservation Commission State Wildlife Grant, 2005, Co-PI. Monitoring prescribed burning on public lands in Florida.

\$2,000 Grant from Vaughn Williams, 2005, PI. Effects of fire regime on upland longleaf pine vegetation.

\$40,000 Florida Fish and Wildlife Conservation Commission Land Incentive Program, 2006, Co-PI. Red-Cockaded Woodpecker Habitat Restoration.

\$17,775 Florida Fish and Wildlife Conservation Commission State Wildlife Grant, PI. Effects of Fire Regime on Upland Pine Forests Wildlife Habitat.

\$210,000 Joint Fire Sciences Program, 2006, PI. Validation of National Burn Severity Mapping Project techniques in selected southeastern US ecosystems.

\$3,355 Florida Fish and Wildlife Conservation Commission State Wildlife Grant, 2008. Co-PI. Creation of the North Florida Sandhill Working Group.

\$25,000 Grant from Gene Phipps, 2008, PI. Response of hardwood resprouts to varying fire regime and fire season.

\$24,300 USDA National Research Initiative, 2007, Co-PI. Characterization of Organic Matter in Forest Fire PM2.5 for Emission Factors Assessment and Source Tracing. Subaward to Tall Timbers Research Station. Total grant = \$275,900

\$129,690 National Parks Service Cooperative Agreement for remote sensing of burn severity support to federal agencies, 2009, PI.

\$64,627 National Science Foundation, 2010, Co-PI. Quantifying PM_{2.5} Emission Factors from Prescribed Burning with Application to Mitigating the Impact on Air Quality. Subaward to Tall Timbers Research Station. Total grant = \$399,397.

\$243,000 Joint Fire Sciences Program, 2010, Co-PI. The Southern Fire Exchange: Putting fire science on the ground. Subaward to Tall Timbers Research Station. Total grant = \$761,076.

\$96,867 National Science Foundation, 2010, PI. Collaborative Research: Imaging the Tall Timbers Research Station's Biological Research Collections.

\$12,000 Grant from Gene Phipps, 2012. Graduate student support.

PUBLICATIONS

Peer-reviewed

- Robertson, K.M. and W.J. Platt. 1991. Effects of fire on Bromeliads in tropical hammocks of Everglades National Park, Florida. *Selbyana* 13:39-49.
- Robertson, K.M. and C.K. Augspurger. 1999. Geomorphic processes and pathways of primary succession on the Bogue Chitto River, U.S.A. *Journal of Ecology* 87:1057-1063.
- Robertson, K.M. and W.J. Platt. 2001. Effects of multiple disturbances (fire, hurricane) on epiphyte-substrate associations in subtropical forests, Everglades National Park, Florida, USA. *Biotropica* 33:573-582.
- Robertson, K.M. and T.E. Ostertag. 2004. Problems with Shurbon and Fauth's test of effects of prescribed burning on amphibian diversity. *Conservation Biology* 18:1154-1155.
- Robertson, K.M. and D.L. Johnson. 2004. Vertical redistribution of pebbles in Mollisol catenas of central Illinois, U.S.A. *Soil Science* 169:776-786.
- Borchert, R., K. Robertson, M. D. Schwartz, and G. Williams-Linera. 2005. Phenology of temperate trees in tropical climates. *International Journal of Biometeorology* 50:57-65.
- Robertson, K.M. 2006. Distributions of tree species along point bars of ten rivers in the southeastern U.S. coastal plain. *Journal of Biogeography* 33:121-132.
- Robertson, K.M. and T.E. Ostertag. 2007. Effects of land use on fuel characteristics and fire behavior in pinelands of southwest Georgia. Tall Timbers Fire Ecology Conference Proceedings 23:181-191.
- Ostertag, T.E. and K.M. Robertson. 2007. A comparison of native versus old-field vegetation in upland pinelands managed with frequent fire, south Georgia, USA. Tall Timbers Fire Ecology Conference Proceedings 23:109-120.
- Robertson, K.M. and T.E. Ostertag. 2009. Biomass equations for hardwood resprouts in fire-maintained pinelands in the southeastern U.S. *Southern Journal of Applied Forestry*, 33:121-128.
- Carr, S.M., K.M. Robertson, W.J. Platt, and W. Peet. 2009. A model of geographic, environmental, and regional variation in vegetation composition of pyrogenic pinelands of Florida. *Journal of Biogeography* 36:1600-1612.
- Carr, S.M., K.M. Robertson, and R.K. Peet. 2009. A vegetation classification of fire-dependent pinelands of Florida. *Castanea* 75:153-189.
- Royer, D.L., L.A. Meyerson, K.M. Robertson, and J.M. Adams. 2009. Phenotypic plasticity of leaf shape morphology along a temperature gradient in *Acer rubrum*. *PLoS ONE* 4(10): e7653. doi:10.1371/journal.pone.0007653.

- Robertson, K.M., K.E.M. Galley, and R.E. Masters (eds). 2010. Proceedings of the 24th Tall Timbers Fire Ecology Conference: The future of prescribed fire: public awareness, health, and safety. Tall Timbers Research Station, Tallahassee, Florida, USA. 185 p.
- Picotte, J.J. and K.M. Robertson. 2010. Remote sensing of wildland fire burned area in southeastern U.S. Coastal Plain habitats. Tall Timbers Fire Ecology Conference Proceedings 24:86-93.
- Hsieh, Y.P., G. Bugna, and K.M. Robertson. 2010. Chemical signature of biomass burning emitted PM_{2.5} and the detection of its presence in the air by a rapid method. Tall Timbers Fire Ecology Conference Proceedings 24:73-78.
- Picotte, J.J. and K.M. Robertson. 2011. Validation of remote sensing of burn severity in southeastern U.S. ecosystems. *International Journal of Wildland Fire* 20:453-464.
- French, N.H.F., W. de Groot, L.K. Jenkins, E. Alvarado, B. Amiro, B. de Jong, S. Goetz, E. Hoy, E. Hyer, E.S. Kasischke, R. Keane, B.E. Law, D. McKenzie, S.G. McNulty, R. Ottmar, D.P. Salicrup, J. Randerson, K.M. Robertson, B.M. Rogers, M. Turetsky, and G. van der Werf. 2011. Estimating wildland fire emissions for carbon cycle science. *Journal of Geophysical Research* 116, G00K05, doi:10.1029/2010JG001469.
- Picotte, J.J. and K.M. Robertson. 2011. Timing constraints on remote sensing of wildland fire burned area in the southeastern U.S. *Remote Sensing* 3:1680-1690, doi:10.3390/rs3081680.
- Glitzenstein, J.S., D.R. Streng, R.E. Masters, K.M. Robertson, and S.M. Hermann. 2012. Fire-frequency effects on vegetation in north Florida pinelands: Another look at the long-term Stoddard Fire Research Plots at Tall Timbers Research Station. *Forest Ecology and Management* 264:197-209.
- Reid, A.M. and K.M. Robertson. 2011. Energy content of common fuels in upland pine savannas of the southeastern U.S. and their application to fire behavior modeling. *International Journal of Wildland Fire*, in press.
- Reid, A.M., K.M. Robertson, and T.L. Hmielowski. 2012. Fine fuel consumption in native and old-field upland pine communities in the southeastern U.S. Coastal Plain. *Canadian Journal of Forest Research*, in review.

Extension Publications

- Robertson, K.M. and T.E. Ostertag. 2003. Fuel characteristics and fire behavior predictions in native and old-field pinelands in the Red Hills Region, southwest Georgia. *Proceedings of the 2nd International Wildland Fire and Fire Management Congress*, Orlando, FL. <http://ams.confex.com/ams/pdfpapers/67162.pdf> (accessed September 30, 2009).
- Palmer, W.E., K.M. Robertson, and R.E. Masters. 2004. The culture of fire in the southeast. Pages 354-368 in: Rahn, J. (ed.). *Transactions of the Sixty-ninth North American Wildlife and Natural Resources Conference*, March 16-20, 2004, Spokane, WA. Wildlife Management Institute, USA. Pp. 826.
- Robertson, K.M. 2004. Fire in America - the short version of a long story. *Panorama* Winter 2004, pg. 10.
- Robertson, K.M. 2004. Fire Ecology Lab at Tall Timbers Research Station. *Covey Rise* 1:(11)14.
- Robertson, K.M. 2005. The benefits of prescribed fire. *Alternate Current: Journal of the Miccosukee Land Co-op* 31(13):2-3.

- Robertson, K.M. 2006. Prescribed Fire in America. Foreword to Joao Tome PhD Dissertation.
- Robertson, K.M. 2006. Letter to Editor: Lightsey was wrong about controlled burns. Tallahassee Democrat, September 21, 2006.
- Masters, R.E., K.M. Robertson, W.E. Palmer, J. Cox, K. McGorty, L. Green, and C. Ambrose. 2007. Red Hills Forest Stewardship Guide, Second Edition. Tall Timbers Research, Inc., Tallahassee, FL.
- Robertson, K.M. 2007. The fire forest: Prescribed fire is a management tool in southern pine forests. Tree Farmer Magazine. March/April, pp. 6-10.
- Masters, R.E. and K.M. Robertson. 2007. Tall Timbers Stoddard Plots (fact sheet).
- Alvarado, E., B. Amiro, B. de Jong, S. Goetz, E. Hoy, E. Hyer, E. Kasischke, R. E. Keane, B. Law, S. Liu, T. Loboda, S. McNulty, D. Perez-Salicipup, J. Randerson, K. Robertson, B. Rogers, M. Rollins, M. Turetsky, and G. van der Werf. 2010. A Synthesis on the impacts of disturbance on the North American carbon budget. North American Carbon Program Working Group 2a - Estimation of pyrogenic emissions.
- Robertson, K.M. articles in Tall Timbers Research Notes: 2/03, 4/03, 5/03, 6/03, 8/03, 10/03, 12/03, 2/04, 4/04, 6/04, 8/04, 10/04, 12/04, 2/05, 4/05, 6/05, 8/05, 10/05, 12/05, 2/06, 4/06, 6/06, 8/06, 10/06, 12/06, 2/07, 4/07, 6/07, 9/07, 1/08.
- Robertson, K.M. Articles in Tall Timbers Annual Report: 7/03, 7/04, 7/05, 7/09
- Robertson, K.M. Articles in Tall Timbers News: 7/03, 6/04, 7/05, 5/06, 7/07
- Robertson, K.M. Articles in Tall Timbers E-News: 3/08, 2/09, 5/09, 8/09, 11/09, 2/10, 4/10, 6/10, 8/10, 11/10, 1/11, 3/11, 6/11, 9/11, 1/12, 3/12

Grant Reports

- Cox, J., K.M. Robertson, S. Jones, and A. Reckford. 2006. Monitoring Prescribed Burning on Public Lands in Florida. Final Report to the Florida Fish and Wildlife Conservation Commission.
- Robertson, K.M. 2009. Effects of fire regime on Upland Pine Forests wildlife habitat. Final Report to the Florida Fish and Wildlife Conservation Commission. Tall Timbers Research Station and Land Conservancy, Tallahassee, FL.
- Picotte, J.J. and K.M. Robertson. 2009. Validation of National Burn Severity Mapping Project techniques in selected southeastern US ecosystems. Final Report to the Joint Fire Sciences Program. http://www.firescience.gov/projects/06-2-1-31/project/06-2-1-31_final_report_jfsp_06-2-1-31.pdf (last accessed June 21, 2011)
- Noble, C. and K.M. Robertson. 2011. Joshua Picotte Final National Park Service Report. National Parks Service and Tall Timbers Research Station and Land Conservancy, Tallahassee, FL.

PROFESSIONAL PRESENTATIONS

Invited

- Robertson, K.M. 2003. Pineland fuels and predicted fire behavior. Florida State University Natural History Seminar, Tallahassee, Florida, March 26, 2004.

- Palmer, W.E., K.M. Robertson, and R.E. Masters. 2004. Fire in the Southeast: Past, present, and future. Transactions of the 69th annual North American wildlife and natural resources conference. The Wildlife Institute, Spokane, Washington, March 16-20.
- Robertson, K.M. 2004. Income potential and management of the longleaf pine-wiregrass ecosystem. Tri-state Longleaf Pine Groundcover Restoration Symposium, Quincy, Florida, November 17, 2004.
- Robertson, K.M., W.E. Palmer, and R.E. Masters. 2004. Fire - Use it or lose it! 4th Longleaf Alliance Conference Proceedings, Hattiesburg, Mississippi, October 15, 2004.
- Robertson, K.M. 2006. Native American land use in the Red Hills Region. Mission San Luis Seminar, Tallahassee, Florida, April 1, 2006.
- Robertson, K.M. 2006. Land use history in the Red Hills Region. Florida Ornithological Society Annual Meeting, Tallahassee, Florida, April 24, 2006.
- Robertson, K.M. 2006. Fire effects in southern pinelands. North Florida Prescribed Fire Council, Tallahassee, Florida, October 18, 2006.
- Robertson, K.M. 2006. Answers to burning questions: Research and public perception of prescribed burning in the Southeast. Southeast State Parks Symposium, Wakulla, Florida, December 7, 2006.
- Robertson, K.M. 2007. Fire regime effects on soil chemistry in a southeastern U.S. pine forest. Jones Ecological Research Center Seminar, Newton, Georgia, January 11, 2007.
- Robertson, K.M. 2007. Ecosystem Processes and Biodiversity in Southern U.S. Plant Communities. Louisiana State University Department of Biological Sciences Seminar, Baton Rouge, Louisiana, February 12, 2007.
- Picotte, J.J. and Robertson, K.M. 2007. Validation of National Burn Severity Mapping Project Techniques Within the Apalachicola National Forest. Tall Timbers Seminar, Tallahassee, Florida, April 4, 2007.
- Robertson, K.M. 2007. Wildfire, prescribed fire, and climate change in Florida. Florida Governor's Cabinet Meeting on Climate Change, Tallahassee, Florida, June 12, 2007.
- Robertson, K.M. 2007. Fire effects on soil. Applied Management in Florida Conference, Orlando, Florida, June 20-23, 2007.
- Robertson, K.M. 2007. Land management decisions and fire effects in southern pinelands. North Florida Prescribed Fire Council Meeting, Lake City, Florida, October 17, 2007.
- Robertson, K.M. 2008. Carbon sequestration and carbon credits with regard to fire. Florida and Georgia Fire Summit, Tallahassee, Florida, January 16, 2008.
- Robertson, K.M. 2008. Prescribed fire effects on carbon sequestration in southern pine forests. North Florida Prescribed Fire Council Meeting, Tallahassee, Florida, March 7, 2008.
- Robertson, K.M. 2008. Prescribed fire effects on carbon sequestration in southern pine forests. Leadership Tallahassee, Tallahassee, Florida, March 16, 2008.
- Robertson, K.M. 2008. Fire effects on soils in southern pine forests. National Resource Conservation Service Prescribed Fire Training Course, Tallahassee, Florida, March 17, 2008.
- Robertson, K.M. 2008. Factors influencing fuel consumption and heat regime. National Wildfire Coordinating Group Course Rx 310, Tallahassee, Florida, June 9, 2008.
- Picotte, J.J. and K.M. Robertson. 2008. Monitoring prescribed fire using remote sensing methods. Florida Sandhills Working Group Meeting, Tallahassee, Florida, September 9, 2008.

- Robertson, K.M. 2008. Carbon sequestration and carbon credits: the future with regard to fire. Pg. 25 in J. Michaels, G. Michaels, and R. Masters (eds). Proceedings of the Fire Summit: The future of fire in Florida and Georgia, January 16-18, 2008. Tall Timbers Research Station Misc. Publication 15, Tallahassee, Florida.
- Robertson, K.M. 2008. Effects of fire regimes on southeastern U.S. upland pine ecosystems. Archbold Biological Station Seminar, Venus, Florida, October 2, 2008.
- Robertson, K.M. 2008. Effects of fire frequency on ecosystem carbon storage in a southeastern U.S. Coastal Plain pineland. Longleaf Alliance/Forest Guild Conference, Destin, Florida, October 31, 2008.
- Robertson, K.M. and J.J. Picotte. 2008. Monitoring prescribed fire using remote sensing methods. Florida Fish and Wildlife Conservation Program Monitoring Wildlife Habitat Workshop, Gainesville, Florida, November 19, 2008.
- Robertson, K.M. 2009. Fire Ecology Research at Tall Timbers Research Station. Thomasville Rotary Club Meeting, Thomasville, Georgia, February 5, 2009.
- Robertson, K.M. 2009. Fire regime effects on carbon sequestration in a southern pine forest. University of Florida School of Forest Resources and Conservation Seminar, Gainesville, Florida, April 10, 2009.
- Robertson, K.M. 2009. Prescribed fire frequency versus season of burn. North Florida Prescribed Fire Council Meeting, Tallahassee, Florida, October 21, 2009.
- Robertson, K.M. 2010. Fire effects on soil. National Wildfire Coordinating Group Fire Training Course Rx310, Jacksonville, Florida, June 8, 2010.
- Fire Ecology Program at Tall Timbers Research Station and Land Conservancy. Florida A&M University Center for Water and Air Quality Seminar, Tallahassee, FL, September 24, 2010.
- Robertson, K.M. 2011. Fire effects on vegetation. Natural Resource Conservation Service Fire Training Course, Tallahassee, Florida, February 1, 2011.
- Robertson, K.M. 2011. Fire effects on soil. Natural Resource Conservation Service Fire Training Course, Tallahassee, Florida, February 17, 2011.
- Robertson, K.M. 2011. Effect of fire frequency on ecosystem carbon storage in a southeastern U.S. Coastal Plain old-field pine forest. Natural Areas Conference, Tallahassee, FL, November 1-4, 2011.
- Robertson, K.M. 2011. Tall Timbers post burn evaluation 1995-2011. Sandhills Working Group Annual Meeting, Tallahassee, FL, September 7, 2011.

Contributed Presentations

- Robertson, K.M. and W.J. Platt. 1991. Factors influencing colonization of trees by Bromeliads in Everglades National Park. *Program to the Second International Symposium: The Biology and Conservation of Epiphytes*. pg. 40. Sarasota, Florida.
- Robertson, K.M. and W.J. Platt. 1991. Factors influencing colonization of trees by epiphytic Bromeliads in Everglades National Park, Florida. *Bulletin of the Ecological Society of America*, 72:232. Annual Meeting of the Ecological Society of America, San Antonio, Texas.
- Robertson, K. M. and M. Blackwell. 1992. Laboulbeniales associated with phoretic mites of dung beetles. *Inoculum: Newsletter of the Mycological Society of America*. 43:48. Annual Meeting of the Mycological Society of America, Portland, Oregon.

- Robertson, K.M. and W.J. Platt. 1993. Effects of fire on the demography of Bromeliads in subtropical hardwood hammocks of Everglades National Park, Florida. *Bulletin of the Ecological Society of America*. 74:413. Annual Meeting of the Ecological Society of America, Madison, Wisconsin.
- Robertson, K.M. and W.J. Platt. 1994. The effects of Hurricane Andrew on the demography of epiphytic Bromeliads in Everglades National Park, Florida. *Bulletin of the Ecological Society of America* 75:515. Annual Meeting of the Ecological Society of America, Knoxville, Tennessee.
- Robertson, K.M. and W.J. Platt. 1996. Direct effects of Hurricane Andrew on epiphytic bromeliads and their hosts in subtropical hardwood hammocks in Everglades National Park, Florida, USA. *Bulletin of the Ecological Society of America* 77(3):378. Annual Meeting of the Ecological Society of America, Providence, Rhode Island, August 10-14, 1996.
- Robertson, K.M. and C.K. Augspurger. 1998. Pathways of primary succession and forest structure associated with geomorphology of the Bogue Chitto River, U.S.A. *Bulletin of the Ecological Society of America* 79:234. Annual Meeting of the Ecological Society of America, Baltimore, Maryland August 2-6, 1998.
- Robertson, K.M. and C.K. Augspurger. 2000. Patterns of tree species in early succession along point bars of southeastern USA rivers. *Bulletin of the Ecological Society of America* 81:188. Annual Meeting of the Ecological Society of America, Snowbird, Utah, August 6-10, 2000.
- Robertson, K.M. and C.K. Augspurger. 2003. Spatial segregation of floodplain tree species through differential mortality of seedlings. *Bulletin of the Ecological Society of America* 84:284. Annual Meeting of the Ecological Society of America, Savannah, Georgia, August 3-8, 2003.
- Robertson, K.M. and T.E. Ostertag. 2003. Fuel characteristics and fire behavior predictions in native and old-field pinelands in the Red Hills Region, southwest Georgia. *Proceedings of the 2nd International Wildland Fire and Fire Management Congress*, Orlando, FL.
- Robertson, K.M. and T.E. Ostertag. 2005. Fuel measurement and fire behavior validation in upland pine forests in southern Georgia, U.S.A. *Proceedings of the 23rd Tall Timbers Fire Ecology Conference*, Bartlesville, Oklahoma, October 16, 2005.
- Ostertag, T.E. and K.M. Robertson. 2005. Native versus old-field vegetation in fire-maintained pinelands of southern Georgia and northern Florida, U.S.A. *Proceedings of the 23rd Tall Timbers Fire Ecology Conference*, Bartlesville, Oklahoma, October 16, 2005.
- Hsieh, Y. P., K. Robertson, and C. Coultas. 2006. Effects of Prescribed Fire Burning on the Nature and Property of Soil Organic Matter as Revealed by a Novel Multi-Elemental Scanning Thermal Analysis. *Proceedings of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America Annual Meeting*, Indianapolis, Indiana, November, 2006.
- Robertson, K.M. and C.W. Wood. 2006. Fire effects on soil carbon and nutrients in a southeastern U.S. pineland. 3rd International Fire Congress, San Diego, California.
- Robertson, K.M., S. Curd-Hetrick, R. Masters, A. Bruce, M. Naito, K. Outcalt, M. Rauscher, Jennifer Pollock, Greg Gollberg. 2006. Southern Fire Portal: Regional fire information system. Fire effects on soil carbon and nutrients in a southeastern U.S. pineland. 3rd International Fire Congress, San Diego, California, November 13-17.
- Meyerson, F.A.B., L. A. Meyerson, J. Adams, B. Rehill, L. Dimov, K. Robertson, and D. V. Viola. 2007. Latitudinal gradients in herbivory and plant antiherbivore defenses for North

- American hardwood species. *Bulletin of the Ecological Society of America* supplement 89. Annual Meeting of the Ecological Society of America, San Francisco, California, August 3-7, 2007.
- Robertson, K.M. and C.W. Wood. 2008. Effects of fire frequency on ecosystem carbon storage in a southeastern U.S. Coastal Plain pineland. *Bulletin of the Ecological Society of America* supplement 89 supplement. Annual Meeting of the Ecological Society of America, Milwaukee, Wisconsin, August 4-9, 2008.
- Robertson, K.M. 2008. Effects of fire regimes on southeastern U.S. upland pine forests. Longleaf Alliance Conference, Destin, Florida, October 29, 2008.
- Robertson K.M. 2011. Evidence for a distinct shortleaf pine-oak-hickory plant community in the southeastern U.S. Coastal Plain. Natural Areas Conference, Tallahassee, FL, November 1-4, 2011.
- Robertson, K.M., G.C. Bugna, and Y.P. Hsieh. 2012. Fire environment effects on PM_{2.5} emission factors and validation of previous estimates in a southern U.S. pine-grassland. Wildland Fire PM Emission Factor Workshop, Atlanta, GA, February 7, 2012.
- Hsieh, Y.P., K.M. Robertson, and G.C. Bugna. 2012. Some critical elements affecting the accuracy of PM emission factor determination in forest fires. Wildland Fire PM Emission Factor Workshop, Atlanta, GA, February 7, 2012.
- Hmielowski, T., K.M. Robertson, and W.J. Platt. 2012. Method and timing of top-kill influence the number of stems and biomass of *Quercus nigra* (water oak) resprouts. Ecological Society of America Annual Meeting, Portland, Oregon, August, 2012.