

**University of Florida Assistant Professor of Fire Science & Forest Conservation**

Institute of Food and Agricultural Sciences (IFAS)

School of Forest Resources and Conservation (SFRC)/ School of Natural Resources and Environment (SNRE)

208 Newins-Ziegler Hall

PO Box 110410: Gainesville, FL 32611-0410

**Professional Preparation**

- 2006** Ph. D.: Environmental Science, Policy, and Management, University of California at Berkeley  
Dissertation Title: "The effects of fire and fuels reduction treatments on fire hazard and soil carbon respiration in a Sierra Nevada pine plantation"
- 2000** M. S., Forest Science, Environmental Science, Policy, and Management: University of California at Berkeley  
Thesis: "Using a plot-transect method to determine fire history for Boulder, Colorado ponderosa pine forests."
- 1996** B.S. and B.A.: The Evergreen State College, Olympia, WA

**Teaching Experience and Employment**

- 2006-present:** Appointment to University of Florida, Asst. Professor Fire Science and Forest Conservation.  
Responsible for teaching four undergraduate and two graduate level course each year.
- 1998-2004:** Teaching Assistant, University of California at Berkeley: Introductory Biology, Forest Ecology, and the American Forest
- 2001-2006:** Graduate Research Fellowship/ Assistantship, University of California at Berkeley

**Grants (award year)**

- 2011** PI- Will climate change later wildfire behavior and effects in seasonally dry wetlands? (Joint Fire Science Program: \$25,000)
- 2011** PI- The influence of prescribed fire and understory fuels mastication on soil carbon respiration rates (Joint Fire Science Program: \$14,000)
- 2010** PI- The southern fire exchange: putting fire science on the ground (Joint Fire Science Program: \$447,000)
- 2010** PI- Characterization of Masticated Fuelbeds and Fuel Treatment Effectiveness in Southeastern US Pine Ecosystems (Joint Fire Science Program: \$146,000)
- 2009** Co-PI- Putting Fire Science on the Ground - Increasing the Southern Exposure (JFSP: \$111,000)
- 2009** PI- Fuel Buffers in the Wildland Urban Interface: Impacts on invasive species (USDA Forest Service, Southern Research Station: \$63,000)
- 2009** PI- Monitoring masticated fuelbeds and fuel treatment effectiveness on the Osceola National Forest (USDA Forest Service- American Recovery and Restoration Act fund: \$50,000)
- 2008** Co-PI- National Needs Fellowship for Graduate Research in Adaptive Management (USDA: \$360,000)
- 2008** PI -Dendrochronology in the Southeastern US for ecological and validation of historical structures applications (Ximenez-Fatio Museum, FL : \$10,700)
- 2008** PI -Calibration of the Fine Fuel Moisture Meter for N. American Vegetation (Wiltronics Inc., AU: \$20,000)
- 2007** PI -Assessing Fuels Treatments in Florida's Wildland Urban Interface (SNRE: \$18,000)
- 2007** PI -Developing a web-based MS program in ecological restoration (USDA Challenge Grant: \$442,000)
- 2006** PI -Fire in the Juniper Prairie Wilderness: Is it a viable tool for ecosystem management? (IFAS: \$92,000)

## Professional and Academic Service

- Major Advisor: 5 MS/ 4 PhD Graduate Students
- President, Association for Fire Ecology Southeast
- Board of Directors, Association for Fire Ecology
- Co-Director, Conserved Forest Ecosystems Outreach and Research cooperative
- Associate Editor, *Fire Ecology*
- Steering Committee: North Florida Prescribed Fire Council
- Faculty Advisor: Florida Chapter, Student Association for Fire Ecology
- Science Committee: International Megafires Conference, Elsevier Publishing
- Programs Committee: Fourth International AFE Fire Congress, Forest Ecology and Management Megafires Conference
- Faculty Advisory Committee, SFRC
- Undergraduate Programs Committee Member, SFRC
- Member, Association for Fire Ecology Education Committee (Chair in 2010)
- Safety Awareness Committee Member, SFRC
- Reviewer: Ecology, Global Change Biology, Ecosystems, Canadian Journal of Forest Research, International Journal of Wildland Fire, Restoration Ecology, Forest Ecology and Management, Journal of Biogeography, Journal of Forestry, Southern Journal of Applied Forestry, National Science Foundation, Joint Fire Science Program, Tahoe Science Consortium, Mississippi-Alabama Sea Grant Consortium

## Publications, Refereed\*

\*Godwin, D. R., Kobziar, L. N. How one fire affects the next: remote sensing analysis of a twice-burned wilderness area in Florida. *Fire Ecology* (*Accepted*).

\*Lavoie, M., Kobziar, L. N., Long, A. J., Hains, M. Problems and needs for restorationists of longleaf pine. *Natural Areas Journal* (*Accepted*).

\*Carvalho, E., Kobziar, L. N., Putz, F. E. 2011. Fire ignition patterns affect production of charcoal in southern forests. *International Journal of Wildland Fire*: 474-477.

\*Freeman, J., Kobziar, L. N. 2011. Tracking postfire successional trajectories in a plant community prone to high-intensity fire. *Ecological Applications* 21: 61-74.

Grissino-Mayer, H. D., Kobziar, L. N., Harley, G. L., Russell, K. P., LaForest, L. B. 2010. The historical dendroarchaeology of the Ximénez-Fatio house, St. Augustine, Florida, U.S.A. *Journal of Tree Ring Research* 66: 61-73.

Kobziar, L. N., Rocca, M. E., Dicus, C., Hoffman, C., Sugihara, N., Thode, A., Varner, J. M., Morgan, P. 2009. Challenges to educating the next generation of wildland fire professionals in the US. *Journal of Forestry* 7: 339-345.

Kobziar, L. N., Stephens, S. L., McBride, J. R., 2009. The efficacy of fuels reduction treatments in a Sierra Nevada pine plantation. *International Journal of Wildland Fire* 18: 791-801.

---

\* Denotes graduate student working under my direct supervision

Watts, A. C., Kobziar, L.N., Percival, H.F. 2010. Unmanned aircraft systems for wildland fire monitoring and research. in K.M. Robertson, R.E. Masters and K.E.M. Galley (eds.). Proceedings of the 24th Tall Timbers Fire Ecology Conference: The Future of Fire: Public Awareness, Health, and Safety. Tall Timbers Research Station, Tallahassee, FL. 86-89.

Kobziar, L. N. 2007. The role of environmental factors and tree injuries in soil carbon respiration response to fuels treatments in pine plantations. *Biogeochemistry* 84:191-206.

Kobziar, L. N., Moghaddas, J., Stephens, S. L. 2006. Tree mortality patterns following prescribed fires in a mixed conifer forest. *Canadian Journal of Forest Research* 36: 3222-3238.

Kobziar, L. N., McBride, J. R. 2006. Burn patterns and vegetation response along two northern Sierra Nevada streams. *Forest Ecology and Management* 222: 254-265.

Kobziar, L. N., Stephens, S. L. 2006. The effects of fuels treatments on soil carbon respiration in a Sierra Nevada pine plantation. *Agricultural and Forest Meteorology* 141: 161-178.

## **Research Reports**

\*Graves, D., Kobziar, L. N. 2010. Evaluating fine fuel resistance and conductance for field-based fine fuel moisture measurement. Final Report: Wiltronics Inc., Australia. 48 p.

\*Watts, A., Kobziar, L. N., Snyder, J. 2010. Mortality of pondcypress following the Deep Fire in Big Cypress, Florida. Final Report: USDI National Park Service. 21 p.

Grissino-Mayer, H. D., Kobziar, L. N., Harley, Grant L., Russell, Kevin P., and LaForest, Lisa B. 2009. The Historical Dendroarchaeology of the Ximénez-Fatio House, St. Augustine, Florida, U.S.A. Final Report: National Society of the Colonial Dames of America. 44 p.

Kobziar, L. N., Escobedo, F., Graham, M. 2008. Assessing the efficacy of wildfire mitigation treatments in Florida's wildland-urban interface. Final Report: University of Florida School of Natural Resources and Environment. 7 pp.

Kobziar, L. N. 2006. Fire hazard reduction in ponderosa pine plantations: Final Report: Joint Fire Science Program. 50 pp.

## **Courses Taught**

Fire Ecology and Management, Lab, UG and Graduate Level  
Fire Paradigms  
Foundations in Forest Resources and Conservation  
Fire Use and Impacts in the Southern US  
Ecology and Restoration of the Longleaf Pine Ecosystem  
Fire Modeling  
Graduate Seminar