

Curriculum Vitae  
John Polo  
2220 W. 8<sup>th</sup> Ave.  
Stillwater, OK 74074  
(727)359-2393  
jjaapolo@yahoo.com

## **Education**

Oklahoma State University, M.S. in Natural Resource Ecology and Management, 2011.

University of South Florida, B.S. in Biology, 2008.

## **Professional Experience**

2014 April – Present Oklahoma State University, Stillwater, OK – Senior Research Associate

- Lead a group of technicians for field campaigns.
- Provide GIS support for planning.
- Maintain equipment and supplies.

2011 November – April Oklahoma Biological Survey, Tinker AFB, OK – Natural Resource Technician.

- Control of invasive plants in nature reserves that are being restored to natural conditions, marking areas for treatment.
- Updated urban tree inventory database records.
- Tracked and monitored Texas horned lizards on base nature reserves. Recorded morphological data, attached radiotelemetry pack, and inserted PIT tags as needed. Quality checked field data.
- Performed summer wildlife surveys for protected lizard and bird species.
- Surveyed sensitive plant species, summarized data and wrote report.
- Planned calendar for and supervise college interns.
- Managed departmental supplies and equipment and vehicles.
- Performed public outreach, giving presentations on protected lizard species and telemetry tracking of lizards.
- Worked on a burn crew for a summer prescribed burn in savanna conditions.

2011 July - October Oklahoma State University, Stillwater, OK – Research Technician.

- Assisted in forest management (various treatments based on prescribed fire, chemical treatment, and mechanical thinning) and soils study.
- Took measurements of forest characteristics, i.e. point cruises and tree heights. Took soil cores to be sampled for carbon and nitrogen.
- Maintained equipment and ensured continuity among multiple sampling crews.

2008 July - October Greenman-Pedersen, Inc., Tampa, FL - Environmental Scientist.

- Sampled and measured vegetation (percent cover, DBH, etc.), including identification of invasive plants, and collected forestry measurements in various Florida terrestrial ecosystems according to Florida F.W.C. Objective-based Vegetation Management program methods.
- Used GPS, maps, and 4WD vehicles. Utilized Haglof distance measuring equipment and other sampling tools and equipment.
- Worked closely with a crew of three others in harsh and inclement weather.
- Planned work and improvised as needed, troubleshooting equipment problems as necessary.

### **Research Experience**

2009 May -2011 July Oklahoma State University, Dr. Steve Hallgren, Graduate Research Assistant.

Thesis: Effects of prescribed fire on dead woody material in xeric oak forests. Planned study of, data collection methods for, analyzed data for a study of fire effects on vegetation in oak forests.

- Crew leader for forest ecology research crew. Surveyed ground cover as well as shrub and tree layers via different methods. Verified data entry.
- Reviewed journal submission for Southeastern Naturalist.
- Symposium presentation judge.
- Volunteer assistant in other studies, such as collared lizard demography, Greater Prairie-chicken habitat research, and wintering Yellow Rail habitat research.

2007 June -2008 June University of South Florida, Dr. Gordon Fox, Research Assistant.

- Collected field data, entered and verified data, and did preliminary analysis for a study of prescribed fire effects on pine demography.
- Worked with Microsoft Access for data management and R for summary analysis. Reviewed and corrected data from previous seasons.

2007 June - August University of South Florida, Lance Arvidson, Research Assistant. I helped lay, bait, and check Sherman traps in a study of small mammal use of wetlands.

### **Publications**

Polo, J.A. and Polo, B.V. 2013. Second Occurrence of Purple Sandpiper (*Calidris maritima*) for Oklahoma. Bulletin of the Oklahoma Ornithological Society 46 (2) 5-8.

Polo, J.A., Hallgren, S.W., Leslie, D.M. 2013. Effect of long-term understory prescribed burning on standing and down dead woody material in dry upland oak forests. *Forest Ecology and Management* 291 (2013) 128-135.

### **Scientific Presentations**

Polo, J., Hallgren, S., and Leslie, D.M. (2011) Effects of prescribed fire on standing and down dead woody material. North American Forest Ecology Workshop, Roanoke, VA.

Polo, J. (2011) Effects of prescribed fire on snags and woody debris in the Cross Timbers. Oklahoma State University, 22nd annual research symposium.

Polo, J. (2010) Effects of prescribed fire on tree and understory species in the Cross Timbers. Oklahoma State University, 21st annual research symposium.