

Andrew H. Whitaker

Current Address:

740 Smallwood Drive Apt. 74
Raleigh, NC 27605
(580) 369-0401
E-mail: *ahwhitak@ncsu.edu*

Permanent Address:

8750 Sunshine Rd.
Davis, OK 73030

EDUCATION

Ph.D. North Carolina State University, Raleigh, North Carolina

Thesis Chairman: Dr. Owen W. Duckworth
Major Field: Soil Science
Concentration: Soil Biogeochemistry
Anticipated Graduation: May 2017

M.S. Oklahoma State University, Stillwater, Oklahoma

Thesis Chairman: Dr. Chad Penn
Major Field: Plant and Soil Sciences
Concentration: Soil Chemistry
Date: May 2014
GPA: 4.00
Thesis: Land Application of Oil and Water-Based Drilling Mud as a Means of Disposal

B.S. Oklahoma State University, Stillwater, Oklahoma

Advisor: Dr. Sarah Lancaster
Major Field: Plant and Soil Sciences
Concentration: Soil and Water Resources
Date: May 2012
GPA: 3.89

PROFESSIONAL EXPERIENCE

Graduate Research Assistant: under Dr. Owen Duckworth, Soil Biogeochemistry, Department of Soil Science, North Carolina State University, Raleigh, North Carolina (August 2014-present)

Graduate Research Assistant: under Dr. Chad Penn, Soil Chemistry, Department of Plant and Soil Sciences, Oklahoma State University, Stillwater, Oklahoma (May 2012 – May 2014)

Undergraduate Research Assistant: under Dr. Chad Penn, Soil Chemistry, Department of Plant and Soil Sciences, Oklahoma State University, Stillwater, Oklahoma (December 2011-May 2012)

Undergraduate Research Assistant: under Dr. Jason Warren, Soil and Water Conservation, Department of Plant and Soil Sciences, Stillwater, Oklahoma (March 2010-May 2012)

Undergraduate Research Assistant: under Dr. Shiping Deng, Soil Microbiology, Department of Plant and Soil Sciences, Stillwater, Oklahoma (March 2011-July 2011)

PEER-REVIEWED RESEARCH PUBLICATIONS

Penn, C. J.; **Whitaker, A. H.**; Warren, J. G., Surface Application of Oil-Base Drilling Mud Mixed with Gypsum, Limestone, and Caliche. *Agron. J.* **2014**, *106*, (5), 1859-1866.

PRESENTATIONS

Surface Application of Water-Base Drilling Mud to Winter Wheat. **Andrew Whitaker**, Chad J. Penn, Jason Warren, Hailin Zhang. Paper is scheduled to be presented at the Jan. 20th and 21st, 2015 Soil Science Society of North Carolina annual meeting in Raleigh, NC, USA.

BTEX Leaching and TPH Degradation in Soils Amended with Oil-Base Drilling Mud. **Andrew Whitaker** (2014). Paper presented at the OSU Department of Plant and Soil Science spring seminar, Stillwater, OK, USA.

Benzene Leaching and TPH Degradation in Soils Amended with Oil-Base Drill Cuttings **Andrew Whitaker**, Chad J. Penn, Jason Warren, Hailin Zhang (2013). Paper presented at the ASA/SSSA/CSSA annual meeting, Tampa, Florida, USA.

Land Application of Oil-Base Drilling Mud as a Means of Disposal **Andrew Whitaker**, Chad J. Penn, Jason Warren, Hailin Zhang (2012). Paper presented at the ASA/SSSA/CSSA annual meeting, Cincinnati, OH, USA.

TEACHING EXPERIENCE

Fundamentals of Soil Science (SOIL 2124), Oklahoma State University, fall semester (2013). Prepared and presented laboratory lectures, exercises, and gave test reviews for the lab final.

COMMUNITY OUTREACH

North Carolina State University CAALS 3D Program. Raleigh, NC. July, 2014. Talked to under-represented minority high school students about STEM related degree programs in the College of Agriculture and Life Sciences and engaged them in field and laboratory techniques in Soil Biogeochemistry.

North Carolina State University Graduate Student Panel. Raleigh, NC. May, 2014. Held discussions with 90 high school students and talked about why we chose our college, degree path, and the responsibilities of being a college student.

Oklahoma State University Field Day. Lahoma, OK. May 2013. Talked to farmers about land applying water-based mud to winter wheat and its effects on yield

Oklahoma State University Community Field Day. Stillwater, OK. April 2013. Taught children and their parents basic soil and water conservation principles.

Oklahoma State University Drilling Mud Field Day. Shattuck, OK. June 2012. Assisted in the set-up and gave an interview over land applying drilling mud to pasture land.

HONORS/AWARDS

NCSU Graduate Recruitment Fellowship (2014)
OSU Plant and Soil Science Outstanding Masters Student (2014)
Sam Noble Agricultural Scholarship (2013-2014)
R. Brent Westerman Memorial Weed Science Scholarship (2013-2014)
OSU Graduate Research Assistantship (2012-2014)
Sam Noble Agricultural Scholarship (2011-2012)
Golden Opportunity Scholar (2011-2012)
Sitlington Outstanding Senior Award (2012)

PROFESSIONAL MEMBERSHIPS and ORGANIZATIONS

Soil Science Society of North Carolina (2014-present)
NCSU Soil Science Graduate Student Organization (2014-present)

- Treasurer (2014-2015)

OSU Plant and Soil Sciences Graduate Student Organization (2012-2014)

- Vice President (2013-2014)
- Treasurer (2012-2013)

Soil and Water Conservation Society (2012-2014)
Oklahoma State University, Soil and Water Conservation Club (2012-2014)

- President (2013-2014)

American Society of Agronomy (2011-present)
Soil Science Society of America (2011-present)
Crop Science Society of America (2011-present)

REFERENCES

Dr. Owen Duckworth, Associate Professor, Dept. of Soil Science, North Carolina State University, Raleigh, NC, owduckwo@ncsu.edu, (919) 513 1577

Dr. Chad Penn, Associate Professor, Dept. of Plant and Soil Sciences, Oklahoma State University, Stillwater, OK, chad.penn@okstate.edu, (405) 744-2746

Dr. Jason Warren, Assistant Professor, Dept. of Plant and Soil Sciences, Oklahoma State University, Stillwater, OK, jason.warren@okstate.edu, (405) 744-1721

Dr. Sergio Abit, Assistant Professor, Dept. of Plant and Soil Sciences, Oklahoma State University, Stillwater, OK, sergio.abit@okstate.edu, (405) 744-9586