

# CHRIS W. COHRS

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## EDUCATION

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<b>Ph.D.</b> (candidate)	<b>North Carolina State University</b> , Raleigh, NC Forestry and Environmental Resources Dissertation title “ <i>Optimizing productivity for intensive pine plantation management through forest soil classification and geospatial analysis</i> ”	anticipated Winter 2021
<b>B.Sc.</b>	<b>North Carolina State University</b> , Raleigh, NC Forest Management Graduated Magna Cum Laude, GPA: 3.598	May 2018

## PROFESSIONAL EMPLOYMENT HISTORY

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<b>Forest Productivity Cooperative, NCSU</b> Graduate Research Assistant	Raleigh, NC Aug 2017–Present
<b>North Carolina State University</b> Teaching Assistant, FOR 304: Theory of Silviculture FOR 273: Forest System Mapping & Mensuration	Raleigh, NC Jan 2018–May 2019 Aug 2016–Dec 2016
<b>Department of Sociology and Anthropology, NCSU</b> GIS Research Assistant	Raleigh, NC Aug 2017–Dec 2017
<b>Resource Management Service, LLC</b> Forestry Intern	Wilmington, NC May 2017–Aug 2017
<b>Web Developer</b>	Clayton, NC June 2008–May 2015

## PUBLICATIONS

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### *Journal Publications*

Albaugh, T. J., Albaugh, J. M., Carter, D. R., Cook, R. L., **Cohrs, C. W.**, Rubilar, R. A., & Campoe, O. C. (2021). Duration of response to nitrogen and phosphorus applications in mid-rotation *Pinus taeda*. *Forest Ecology and Management*, 498, 119578.

Gao, X., Gray, J., **Cohrs, C.W.**, Cook, R. and Albaugh, T.J., 2021. Longer greenup periods associated with greater wood volume growth in managed pine stands. *Agricultural and Forest Meteorology*, 297, p.108237.

**Cohrs, C.W.**, Cook, R.L., Gray, J.M. and Albaugh, T.J., 2020. Sentinel-2 Leaf Area Index Estimation for Pine Plantations in the Southeastern United States. *Remote Sensing*, 12(9), p.1406.

### ***Published Mapping Products***

**FPC Soil Web Map** (<https://map.forestproductivitycoop.net>).

An interactive web application informing silvicultural prescriptions via the Forest Productivity Cooperative's forest soil classification system for intensive pine plantation management.

### **PRESENTATIONS AND INVITED LECTURES**

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**Research Presentation**, "Nonrandom Forests: Soil-specific Fertilizer Response," Forest Productivity Cooperative Annual Meeting, August 2021. Attendees: 50

**Webinar**, "Sentinel-2 LAI Web App, Soil Modeling, and Precision Forestry," Forest Productivity Cooperative Annual Meeting, October 2020. Attendees: 30

**Webinar**, "Sentinel-2 Data Download and Directory Navigation," Forest Productivity Cooperative Annual Meeting, October 2020. Attendees: 20

**Paper Presentation**, "Sentinel-2 Leaf Area Index Estimation for Pine Plantations in the Southeastern United States," Forest Productivity Cooperative, August 2020. Attendees: 30

**Webinar**, "Sentinel-2 LAI Estimation for Pine Plantations in the Southeastern US and Other Remote Sensing Projects," Weyerhaeuser Company, May 2020. Attendees: 30

**Lecture**, "Remote Sensing in Forestry," Theory of Silviculture, April 2020.

### **PROFESSIONAL AFFILIATIONS**

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Xi Sigma Pi, 2018-Present

Forest Stewards Guild, 2017-Present

Society of American Foresters, 2016-Present

### **HONORS AND AWARDS**

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**USDA McIntire Stennis Program** 2020

Successfully funded proposal: "*Modeling growth response of loblolly pine and economic returns from nutrient additions based on a gradient of soil characteristics across the southeastern US*"

**Fenwick Foundation Academic Scholarship** 2017

Received for undergraduate academic performance

**Robert E. Dorward Academic Scholarship** 2016

Received for undergraduate academic performance

### **TECHNICAL SKILLS**

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- Leaflet
- PostGIS
- PostgreSQL
- HTML 5
- CSS3
- ArcGIS
- QGIS
- R
- Adobe Photoshop
- jQuery
- GeoServer
- Python
- SQL
- Javascript
- Ajax