

Rachel R. Brock, CCF

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PROFESSIONAL PROFILE

Dedicated forestry professional with a B.S in Forestry and a concentration in Restoration and Conservation Science. Experienced in formulating forest management plans, executing timber cruising, and supporting forest carbon offset verification. Adept at translating field data into sustainable forestry practices, overseeing extensive reforestation efforts, and engaging in multi-agency communication to ensure long-term project compliance and ecological health.

CORE COMPETENCIES

- **Forest Management & Strategy:** Synthesizing and collecting field data for management plan writing by compiling landowner objectives and prescribing sustainable silvicultural prescriptions to develop long-term strategies that balance ecological health with actionable harvest and regeneration goals.
- **Biometric Data Collection & Inventory:** Executing high precision, 100% tally timber cruises for exact volume estimation, variable plots for appraisals, marking timber and ensuring compliance with environmental regulations and BMPs.
- **Consulting:** Evaluating forest stand eligibility for carbon credit programs by merging on site inventory methods with geospatial delineation to accurately determine qualifying acreage for project developers.
- **Project Management:** Directing and supervising field crews across multiple sites, with expertise in logistics, quality control, and translating planting plans into precise executions.

EDUCATION

- **University of Tennessee Knoxville;** B.S in Forestry, Concentration: Restoration and Conservation Science. *Valedictorian* of Herberts College of Agriculture, GPA: 4.0, December 2024.
- **Chattanooga State Community College;** Associates of Science, GPA 4.0, May 2021.

CERTIFICATIONS/LICENSURE

- Society of American Foresters Candidate Certified Forester #108408
- IS-100, IS-700, national emergency management
- L-180, basic wildland firefighter training
- S-130, S-190, wildland fire suppression, and wildland fire behavior
- S-212, wildland fire chainsaws

WORK EXPERIENCE

- **Heritage Habitat & Forestry, Charleston, WV; January 2025-Present**
 - Regional Consultant / Forestry Technician
 - In my role, I develop and write forest management plans that incorporate landowner objectives, sustainable forestry practices, silvicultural prescriptions, harvest planning, and regeneration plans. To ensure operational precision, these plans integrate data collection and the utilization of GIS tools for map creation. In conjunction, I pilot timber cruising appraisals and execute timber marking to prepare stands for active harvests.
 - Within our carbon consulting division, I conduct property assessments and measure timber volumes to evaluate land eligibility for carbon market programs by delineating qualifying acreage on maps using FIA stand delineation methods. Furthermore, I have assisted in the validation of a carbon project developer, providing critical oversight through onsite observations and PDD review.
 - I assist in directing largescale, multisite reforestation planting operations on degraded agricultural lands. I manage field planting crews to ensure strict adherence to comprehensive master plans, verifying correct species selection, planting densities, and conducting rigorous audits of active planting. Throughout these phases I utilize field area calculations by measuring and calculating planting densities and leftover stock.
 - Additionally, I help to bridge the connection between state, federal, and private landowners through an extension program aimed at educating landowners.