



IMPACT. SCIENCE. SOLUTIONS.

National Council for Air and Stream Improvement, Inc. (NCASI)

Job Description

Position: Senior Research Scientist

Reports to: Director, Forestry Research, Southeastern U.S.

Work Week: Exempt position; Full-time

Revised: June 2, 2023

Location: Location is flexible, in a NCASI office (Newberry, FL; Cary, NC; Anacortes, WA; and Corvallis, OR), including the potential to work from home if in a state where NCASI is currently licensed to operate.

Key Words: Forestry, biometrics, economics, forest inventory, forest carbon, forest mensuration, forest sustainability, forest economics

Salary Range: \$69,534 - \$115,889 commensurate with skills and experience

Benefits Effective Immediately:

- Health Care Benefit Package (Medical, Dental, Vision, HSA w/ employer contribution)
- 401(k) plan with employer match
- Dependent Care FSA
- Life, Supplemental Life, Disability, and Accidental Death & Dismemberment Insurance
- Identity Theft Protection
- Supplemental Accident and Critical Insurance Available
- Paid Vacation/Sick/Holiday

NCASI (www.ncasi.org) is an independent, non-profit, member-driven research institute that seeks to create credible scientific information required to address the environmental information needs of the forest products sector in North America. Established in 1943, NCASI is recognized as the leading source of reliable data on environmental issues affecting the forest sector and has nearly 100 member companies throughout Canada and the United States. With a staff of 50 technical professionals, NCASI conducts research, undertakes surveys, performs field measurements, and sponsors research by universities and others to document the environmental performance of forest management and facility operations, to gain insight into opportunities for further improvement in meeting sustainability goals. NCASI is an equal opportunity employer.

NCASI is seeking an individual of high integrity to contribute to NCASI's Technical Studies Program activities addressing forest biometrics, with an emphasis on forest inventory and analysis, carbon estimation and accounting, and economics.

Essential Job Functions:

1. Work collaboratively with NCASI staff, Member Companies, federal agencies, and others, to address technical information needs related to regulatory and policy issues affecting management of commercial timberlands and uses of forest-based products.

2. Work collaboratively with scientific peers in academia and government to address technical information needs related to the status and trends in U.S. timberlands and wood supplies, and to investigate implications of forest policy options.
3. Design and implement scientific investigations in the field of forest inventory and monitoring, modeling and assessment; communicate with leading researchers and agency personnel involved in this field; monitor and provide technical review and guidance to Member Companies on proposed agency activities; participate in professional meetings and conferences; and present findings to diverse forest stakeholder groups. Investigations will be designed and implemented in collaboration with NCASI scientists and engineers, and external collaborators, working in disciplines such as ecology, forest management, and forest carbon assessments.
4. Read, absorb, and process complex technical information quickly, with the ability to communicate this information to Members and other stakeholders.

Minimum Qualifications:

1. Master's in forest management, forest biometrics, forest mensuration, forest economics, or a related field with experience in managing complex environmental research projects with a demonstrated ability to provide project leadership with 5 years of relevant technical experience.
2. A record of scientific achievement as demonstrated by publications in peer-reviewed literature and professional service.
3. Highly effective oral and written communication skills.
4. Ability to travel on NCASI business, such as travel related to implementation of the Technical Studies Program and to support NCASI Member Companies and their trade associations.
5. Exhibit professional appearance and demeanor, a demonstrable ability to work effectively with others, evidence of a stable employment history, and evidence of organizational skills, professional presentation skills, and self-motivation.
6. Eligible for immediate employment in the U.S.

Strongly Preferred Qualifications:

1. Doctoral degree in forest management, forest biometrics, forest mensuration, forest economics, or a related field with experience in managing complex environmental research projects with a demonstrated ability to provide project leadership.
2. Knowledge of the principles of forest biometrics, forest economics, statistics, forest management, forest carbon, and related disciplines including forest products markets and the forest products supply chain.
3. Familiarity and understanding with forest inventory and monitoring methods and databases including the USDA Forest Service Forest Inventory & Analysis (FIA) and Timber Products Output (TPO) databases including their use in economic and timber supply modeling and knowledge of accounting for carbon in harvested wood products.
4. Strong statistical skills including an understanding of sampling designs and methods; familiarity with remote sensing methods and data sources used to monitor forests and land uses.

5. Demonstrated ability to: (i) articulate research needs in the fields of forest monitoring and assessment; (ii) develop projects to meet those needs; (iii) obtain and manage external financial support; (iv) prepare synthesis reports based on data and reports prepared by students, contractors, colleagues and others; (v) manage large datasets; and (vi) manage and moderate meetings.
6. Demonstrated ability to discern forest sector research needs and to convert those needs into the development of clear, objective hypotheses for candidate projects.
7. Demonstrated ability to achieve results through collaboration with, and respect for, co-workers and funding partners.
8. Ability to successfully manage multiple priorities.
9. Experience in the forest products sector.
10. Proficiency in the use of the Microsoft Office Suite of business software.

To apply, please submit your curriculum vitae electronically to: Dr. Erik B. Schilling, Director, Forestry Research, Southeastern U.S., NCASI, eschilling@ncasi.org. Review of applications will begin on July 30, 2023, and continue until the position is filled. The desired start date for the position is January 1, 2024. NCASI is an equal opportunity employer.