



# Employment

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# Job Postings

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## RESEARCH SCIENTIST 3 , Forest Research

**\$ 25.51-\$ 37.93 hourly, \$ 53,265-\$ 79,198 annually**

Apply for this  
job

**Date Posted:** 10/14/2009

**Closing Date:** 01/14/2010

**Working Title:** Forest Mgmt & Growth Research

**Hiring Agency:** Natural Resources Dept

**Division/Bureau:** Forestry/Region 2

**Location:** Forestry Resource Assessment

**Who May Apply:** **Open to all qualified job seekers**

**Posting Number:** 09DNR000315

**Employment Conditions:** Permanent, Full-time

**Work Shift:** Day Shift

**Days of Work:** Monday-Friday , 08:00 AM-04:30 PM

**Travel Required:** no

**Job Grouping:** General Administration

**Classified Status:** Classified

**Job Description:** This position exists to: 1) plan, design, develop and implement methods and procedures for forest research in the technical areas of spatial and harvest scheduling; 2) provide scientific expertise and support to the Division and the Department to guide and support the proper multiple use management of Minnesota's forest ecosystems; 3) develop and/or assess statistical methods, designs and procedures for forest survey and resource management activities; 4) complete professional statistical, data analysis and modeling work to develop forest growth information; 5) develop, manage and report on selected forestry data bases on computerized retrieval systems so that current and historical data is available; and 6) market products and services available through the Resource Assessment Program.

Principal Responsibilities:

Complete basic forest management and growth research and analysis designed to support spatial and harvest scheduling activities of the Department's Subsection Forest Resource Management Planning (SFRMP) process.

Advise and assist internal and external stakeholders through the research, analysis and modeling of critical forest resource data.

Consult on the statistical design of data collection conducted by the Division of Forestry to direct the proper management of forest ecosystems and the utilization of Minnesota's forest resources.

Keep up-to-date on new innovations in research, computer science and forest management so that appropriate changes can be made in existing programs.

Market products and services available through the Department Resource Assessment Program so that business and revenue is generated to support the program.

**Minimum Qualifications:** A bachelor of science or masters degree in forest science / management (or a closely related natural science) program accredited by the Society of American Foresters, or a similar accrediting organization, is required. An advanced degree in forest mensuration or closely related field of study. Two years of demonstrated operational research and analysis experience in the areas of stand yield, stand structure and growth, and distribution models is required.

The position requires advanced knowledge of general forestry including: forest mensuration, inventory, biometrics/statistics, sampling, and modeling; utilization and marketing resource analysis; and computer programming operation and product generation.

The incumbent needs originality, initiative, inventiveness and sound scientific training to analyze, solve and report problems in forest management research and sampling design and resource analysis. The person needs to be able to communicate with clients to market services, assess needs, support proper interpretation and use of information and assure the information provided is accurately portrayed in long range planning documents.

Due to the sensitivity and potential financial impact of resource assessments in the areas of environmental monitoring and industrial expansion, this person must be able to retain confidentiality and impartiality during analysis projects. While working alone the majority of the time, the incumbent must be able to plan, supervise and evaluate research projects with work study, temporary help or cooperating scientist involvement. The incumbent must be able to deal with the complex interactions of multi-agency projects and possess the training, teaching and coaching skills to detail quality control procedures for field survey projects and the selling skills to assure the field personnel involved are committed to the implementation.

Requires occasionally lifting such articles as file boxes and heavy hand tools or heavier materials with help from others and/or lifting and carrying light objects frequently. Even though the weights being lifted may only be a negligible amount, a job in this category may require walking or standing to a significant degree or may involve sitting most of the time with a degree of pushing and pulling of arm and/or leg controls.

**Preferred Qualifications:** Working knowledge and operational expertise in the use of RemSoft Spatial Analysis System software; knowledge of other forest management modeling software and concepts; and GIS knowledge and experience.

A PhD in forest mensuration with operational research and analysis experience in the areas of stand yield, stand structure and growth, and distribution models is preferred.

**Selection Process:** The selection process is a resume-based, skill-matching process. Your resume will be entered into a database. The software program matches your skills with the skills needed to perform the duties of the position. If your skills match the required skills for this position, the department may contact you.

If you have already submitted a resume to this database within the last 12 months that clearly identifies your knowledge, skills, abilities, and experience, you do not need to submit another.

**How to Apply:** You are strongly encouraged to submit your resume through the online Resume Builder at <<https://statejobs.doer.state.mn.us/ResumeBuilder>>. You may copy and paste in your existing resume or let the software create a resume for you. You may edit your resume later should your contact information or experience change. The Resume Builder also collects your work preference information so we can match you with future job openings that meet your interests.

**Current State Employees:** Please note that employment provisions (including but not limited to seniority and leave accrual) vary among the three branches of Minnesota State government. When considering a job with another branch of state government, you are highly encouraged to explore these differences. For assistance, please direct questions to both your current and anticipated Human Resources offices.

If you wish to apply with a paper copy, submit your resume AND a completed State of Minnesota Employment Application form to: Minnesota Management & Budget (MMB), 200 Centennial Office Building, 658 Cedar Street, St. Paul, MN 55155. Be sure to indicate the posting number of this job

on your application. The paper application is available on the State Employment Web and MMB web sites, at any state agency HR office, or by calling 651-259-3637.

**Contact for More Information:** Dave Heinzen, 218-327-4449 x222 / [dave.heinzen@dnr.state.mn.us](mailto:dave.heinzen@dnr.state.mn.us).

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