Job Description

**Title:** Forest Analyst 3 - Modeler
**FLSA:** Exempt
**Level:** 3

**General Summary**

The Forest Analyst 3 (FA3) supports and sometimes leads MB&G’s modeling efforts to prepare forest management plans, timberland appraisals, and economic/policy analysis.

**Essential Functions/ Major Duties**

- Leads the creation of forest planning models that meet client objectives. Responsible for building, debugging and testing models to ensure that models are technically correct and efficiently designed.
- Uses forest planning models to analyze alternatives. Exercises judgment and problem-solving skills as needed.
- Leads the preparation of reports summarizing and comparing results.
- Assists in ensuring that all project work is fully documented and work files are maintained and archived according to MB&G standards and procedures.
- Assists in compiling, editing and summarizing inventory and associated GIS data.
- Assists in generation of growth and yield projections.
- Acts in a supporting role to project managers and must prepare project deliverables within allotted level of effort and schedule. Manages time to meet objectives of multiple concurrent projects. May occasionally lead/manage small projects.

**Secondary Functions:**

- Provides analytical support to other MB&G projects as assigned. This work often takes the form of data analysis, statistical analysis, and economic analysis.
- Performs literature searches and reviews on assigned topics using internet and/or library tools. Distills information into literature review or other formats as necessary.
- Supports MB&G’s efforts to develop new clients and to expand services to existing clients. May assist in project proposal development.
- Performs other duties as assigned.

**Project Management / Supervisory Responsibility:**

- Operates independently under minimal supervision.
- May function as Project Manager on simple to moderately difficult projects or Asst. Project Manager on complex projects.
- Job may be supervisory as needed to accomplish project-related tasks.
**Business Development Responsibilities:**
- Minimal to moderate sales goals.
- Assist with development of client relationships, participate in business development functions.
- May assist with proposal development.

**Interpersonal Contacts:**
- Contacts are within the company and externally with our clients or potential clients.

**Job Skills:**
- Intermediate to excellent skills with Woodstock, Spectrum or other LP harvest scheduling modeling systems.
- Experience with heuristic harvest scheduling models is beneficial.
- Intermediate to advanced skills with growth modeling software (e.g. FVS, FPS, Organon, etc.).
- Advanced skill with MS Excel and Access.
- Intermediate GIS skills are desirable.
- Intermediate to advanced analytical and programming skills are desirable.
- Intermediate to advanced understanding of modeling concepts and techniques.
- Proven ability to multi-task and meet multiple deadlines.
- Strong attention to detail.
- Intermediate technical report writing and editing skills.
- Excellent time management skills.
- Responsive and client service oriented.

**Education/Experience**
- BS (MS preferred) in forestry, forest management or natural resource related field.
- 3-8 years experience in forest resource analysis such as building forest planning models is desirable.

**Job Conditions**

Work is performed primarily in our Portland office. However, travel based on project location may be required. Field work to be performed in all weather conditions, steep rough terrain, and a variety of settings including open fields and forested areas. Extensive computer use, physical ability to operate a telephone, and sit for extended periods of time, may lift/carry up to 50 pounds.