

Senior Forest Carbon Analyst

About the Company

[SIG Carbon](#) was born from Spatial Informatics Group, an environmental think-tank consultancy. SIG was founded by four PhD students (now professors), interested in applying the science behind their research to real-world problems. Following in the DNA of Spatial Informatics Group, SIG Carbon was founded with an academic focus, rooted in the science of forest carbon and natural resources management. The mission of Spatial Informatics Group is to bring science to landowners to improve environmental outcomes.

SIG Carbon is one of the top project developers in the US forest carbon offset market, and known for high-quality carbon projects. While we continue to advance the science underlying the carbon offset markets, we're equally focused on helping landowners make informed land use and land management decisions. Improving the quality of forest management, and the employment of nature-based solutions, are among the most impactful and cost-effective ways to meet emission reduction targets. SIG Carbon selects projects to develop on the carbon offset market, focusing on those that will have a real and additional impact on climate change mitigation. We connect our clients to the carbon offset market to support their long-term commitment to implement sustainable forest management practices.

Over ten years, we have developed 25 projects and counting, helping to preserve 900,000 acres, and delivering more than \$150 million in revenue to landowners. Our business philosophy is rooted in two core values: making cutting-edge science accessible and actionable, and providing complete financial transparency. To learn more visit www.sigcarbon.com.

The Role

Long-term timber management plan development, carbon quantification, cash flow estimation and communication of results with forest carbon project participants and regulatory agencies.

As a **Senior Forest Carbon Analyst**, you will be required to:

- Have familiarity with a wide range of forest types in the US, including experience in southern pine silviculture and markets.
- Work with forest inventory data of a variety of sizes, formats, and inventory designs to extract meaningful information; e.g., sampling designs, height-diameter relationships, estimates of stocking, and relevant statistics.
- Develop complex FVS key files for silvicultural practices in the US and Canada.
- Transform individual tree biometrics to carbon following the ACR and ARB protocols.
- Develop long-term harvest scheduling models using linear programming, primarily Excel, occasionally Woodstock.
- Develop cash flows, compute present net values and internal rates of return.
- Clearly organize and confidently discuss all steps of the quantification with third parties.
- Meet tight timelines and work on multiple projects simultaneously.
- A couple of weeks of travel may be required for verifications, team meeting and conferences.



Culture, Location and Schedule

- We are a group of environmentally-minded individuals working to mitigate the effects of climate change. In short, we're doing work you can feel good about.
- We are a 100% remote company. Our employees typically work from home or co-working space.
- This is a full-time salaried position with a flexible work schedule; specific workdays and hours are flexible though some overlap of regular business hours is required.
- We are a certified small business with a tight-knit team. As such, active communication, collaboration, and professionalism are of utmost importance.

Travel Requirement

- 10% or less - Travel may be required to visit project sites, attend meetings, or participate in onsite verifications.

Desired Qualifications

- Experience using multiple variants of FVS; experience with other forest growth and yield models is helpful.
- Experience using Microsoft Access SQL and SQL in general.
- Experience with a range of programming languages, especially visual basic and python.
- Experience with the U.S. Forest Services' Forest Inventory and Analysis (FIA) Database.
- Familiarity with a wide variety of forest sampling designs and statistical principles is required, and strong quantitative and statistical skills are required.

Education

- M.Sc. in Forestry, mensuration or related field plus 10 years of timber management plan development experience.
- Experience with large timberland transaction preferred.

Compensation and Benefits

- SIG offers health care, dental, vision, life insurance, paid holidays, retirement savings (401k), and paid time off.
- Ability to work from home with a flexible work schedule.

Application Instructions

- To apply to this position, please submit your resume (required) and cover letter (required) as separate documents to tkramer@sig-gis.com and pcousar@sig-gis.com.
- Position open until filled.