



Jeff Smith – GIS Specialist



Biography

Jeff Smith joined the NHRI team after graduating from the Geographic Sciences program at the NSCC Centre of Geographic Sciences with a specialization in Remote Sensing. With him he brings experience in remote sensing data processing and analysis, along with a list of GIS skills to aid the NHRI in various ways. Jeff comes from an automotive collision background before taking on the challenge of geomatics, and with that previous experience he brings a focus on problem-solving and the experience of employing several different strategies and skillsets to complete a task or project.

Jeff's work at NHRI?

Jeff's role at NHRI is applying remote sensing techniques and knowledge to innovate and develop effective tools to aid in forest management. His role involves processing and analyzing the necessary data, while applying existing methods while constantly researching and testing potential new methods. Added to the tool innovations are the jobs of automating existing processes and packaging them into convenient tools and packages for end-users. He also supports NHRI team-members with task-specific tools or solutions to aid in project productivity.





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Key Responsibilities

- Develop forest management solutions through research, testing, innovating, and packaging results
- Automating commonly used processes through GIS models and program scripting
- Processing and applying remotely sensed data to projects and problems
- Support team members with solutions or task-specific tools and applications

Expertise

- Multispectral, LiDAR, and RADAR data processing and analysis
- Process automation and tool construction
- Subject-focused data extraction
- Mapping, data quality control, and digital editing
- GIS application and analysis

