

Ph.D Assistantship
Evaluating thinning response in mixed conifer forests using remote sensing



The Intermountain Forestry Cooperative (IFC) at the University of Idaho is seeking a Ph.D. candidate with an interest in remote sensing, forest biometrics and silviculture. The student will stem map a network of IFC thinning trials across Oregon, Washington and Idaho. Stem mapped plots will evaluate growth and yield (G&Y) at both the tree and stand level, utilizing traditional field measurements and a variety of space and air-based remote sensing platforms. The candidate should be well versed in R or similar analytical/programming language, have a solid understanding of statistics, and is willing to obtain a drone pilot license. Project analytics will be used to develop algorithms for refining G&Y height/diameter/crown relationships as related to silviculture treatment responses and remote sensing products.

Start date is flexible, but no later than August 23rd, 2021. The student will be based in Moscow, ID at the University of Idaho. This assistantship includes a competitive stipend through research and teaching assistantships. Tuition waivers are available. The student will be expected to report semi-annually to project partners and present their research at national conferences. They will also have opportunities to present their findings to local and regional forest managers and publish in peer-reviewed journals.

Required qualifications include a M.S. degree in Forestry, Biometrics, or related discipline. This project requires extensive field work across the Intermountain West, ability to work individually as well as team environments and work across varying terrain and inclement weather. Applicants must have a valid U.S. driver's license. The student must be able to pass a criminal background check and become qualified to drive University of Idaho vehicles, including ATVs.

To apply, applicants should send a single PDF file to Dr. Mark Kimsey (mkimsey@uidaho.edu) that contains the following: 1) cover letter expressing their interest in the position, 2) CV, 3) unofficial transcripts, 4) GRE scores, 5) contact information for three professional or academic references, and 6) examples of past research publications. Applications must be received no later than **March 11th** to meet University of Idaho AY 2021 application deadlines.