

"Rehabilitation Monitoring Using Drones and Remote Sensing – Case Studies, Field Validation and Lessons Learned"

The use of drones and remote sensing analysis for rehabilitation monitoring is becoming increasingly common in Western Australia. However as with most new technologies early adopters have climbed a steep learning curve. Using case studies we discuss what aspects of revegetation that can, and can't, be accurately measured using remote sensing approaches. Results of validation studies and the lessons learnt from over four years of testing and applying this new approach to rehabilitation monitoring will be presented.



Sam Atkinson

Sam has more than 13 years of experience as a consulting environmental scientist with a background in plant physiology, rehabilitation, weed management, vegetation health monitoring, GIS, remote sensing and UAV technology. He manages Astron Environmental Services' Geospatial team who capture and use satellite, airborne and UAV derived multispectral data for environmental management applications in the resources, Government and agricultural industries. Being passionate about innovating and pursuing new approaches to old problems, Sam enjoys working with Astron's partners to use new technology to advance environmental management.