

Mustafa Yousif

Major: Environmental Science

University: Alabama A&M University

Faculty Member: Dr. David Larson

Mentor Department: Forestry

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Issues with scale using very high resolution digital aerial photographs

Mustafa Yousif, David Larsen and Robert Chastain

This study involves the use of [remote sensing](#) equipment to observe plant communities. A remote sensor is any instrument that gathers information about an object or area from a distance. Advanced cameras, the most common sensors used in aerial study, take photographs capable of revealing objects (vegetation, trees, etc...) only a few millimeters or inches in width from altitudes of 10 to 150 meters.

The objective of the projective is to determine the resolution to acquire the photographs. In this study, existing and current images are used to classify the vegetation into the classes as needed. The main goal is to classify the images based on the known targets. Images are taken primarily from helium balloons that have a digital attached to capture the image of the intended area of study. The tools used in this project are ERDAS Imagine 8.6 and ArcGIS for image processing and classifying the images into classes using colors and characteristics of the area and surroundings.