

Mineral Exploration

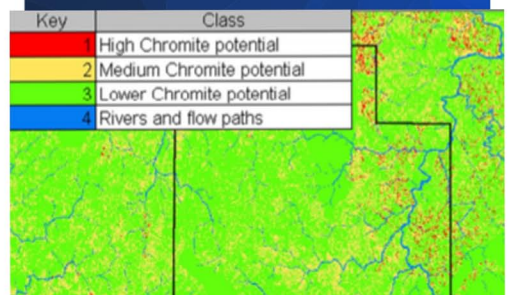
Southern Mapping is able to provide a phased remote sensing approach to mineral exploration mapping.

Freely available, multispectral satellite imagery and digital elevation model data are typically employed in the early exploration phases to derive broad, spectrally based geological, mineralogical and structural maps as well as high potential target zones. An airborne geophysical survey focused on the high potential targets, in conjunction with an optimized field exploration program, typically constitutes the second phase of the remote sensing based mineral exploration service offering.

Southern Mapping is the only company in Africa able to offer airborne hyperspectral imaging as an alternative to traditional geophysical approaches. Operating on the principal that surface minerals exhibit unique spectral reflectance properties allows for unprecedented mineral mapping accuracies to be achieved. The technology is suited to deposits associated with alteration minerals like clays, micas, chlorites, amphiboles, carbonates and other phyllosilicates. A lidar system coupled with a digital camera is used for the most accurate elevation model and orthoimagery generation for bankable feasibility studies and mine planning.

About Southern Mapping

Southern Mapping is based in Johannesburg, South Africa. Southern Mapping offers extensive high-accuracy lidar, imagery and remote sensing experience, as well as airborne topographic, hyperspectral, and thermal survey and mapping. We provide mapping services for engineering, infrastructure, mining, mapping, agriculture and environmental sectors in more than 45 African countries. Together with our parent company Woolpert, Inc., our talent includes a deep bench of worldwide, industry-leading experts that acquire, process and evaluate aerial, terrestrial, and bathymetric lidar and survey data. Through that alignment we employ our own fleet of manned and unmanned aircraft and cutting-edge sensors for both public and private applications. Southern Mapping is proud to be part of this powerful geospatial team, applying a wealth of unparalleled services across the globe.



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