



# HYPERSPECTRAL IMAGING

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Southern Mapping is able to provide state of the art airborne hyperspectral imaging. Using a state of the art VNIR/SWIR hyperspectral camera over 350 simultaneous images can be captured at up to 5nm bandwidth between 450nm to 2500nm. Images are converted from radiance to reflectance so that known mineral or vegetation spectra (from spectral libraries or collected in situ using a handheld spectrometer can be correlated with the imagery.

Applications include:

- Baseline environmental auditing
- Detailed geological and targeted mineral mapping
- Mine rehabilitation monitoring
- Pollution point source identification and monitoring
- Hydrocarbon detection
- Vegetation species mapping
- Water quality (Chlorophyll a and b and turbidity)

## ABOUT SOUTHERN MAPPING

Southern Mapping provides LiDAR, Hyperspectral, Thermal surveys and mapping; as well as satellite imagery and associated product and GIS services for a variety of industries and sectors. These include civil engineering and infrastructure development, mineral exploration and mine management, environmental planning and rehabilitation, and urban and agricultural planning.

