



# VEGETATION MONITORING AND MAPPING

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Southern Mapping is able to provide detailed vegetation monitoring and mapping services through automated feature extraction techniques employed on fused Lidar ortho-images with above ground vegetation points, multispectral satellite imagery and airborne hyperspectral imagery. Our unique and diverse data sources allow for several vegetation monitoring and mapping related applications which include:

- Standard vegetation related land cover mapping.
- Vegetation health mapping using infra-red imagery particularly well suited to vegetation rehabilitation monitoring and potential pollution point source detection.
- Vegetation species mapping using airborne hyperspectral imagery well suited to alien vegetation monitoring or baseline environmental vegetation species auditing.

## 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.

