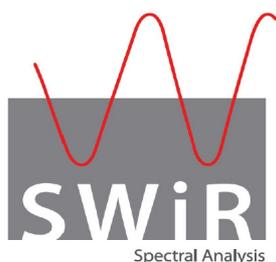


SWiR



geoimage



Leverage your competitive advantage and operational efficiency through better decision making with SWiR.

Extract real world information that will assist your business to make smart decisions using SWiR. Your competitive advantage is gained through differentiating ground materials through our information extraction processing.

The shortwave infrared sensor enhances the value of imagery by enabling the detection of specific mineral content and species of vegetation through signatures not identifiable with the naked eye.

SWiR can be used by, but is not restricted to:

- Mining companies in their exploration phases to improve identification of ore body indicators.
- Governments bodies when identifying different land cover types, emergency management planning practices and new land tax strategies.
- Farmers looking to increase yields while decreasing costs and minimising environmental impact.
- Insurance companies and loss adjustors who need to identify, detect or verify the existence or condition of assets.

Key benefits:

- Identify unique minerals and chemical measurements.
- Manage downstream operations around your key assets.
- Improve efficiencies and adopt new lean process management functions.

What is SWIR?

SWIR data allows you to see what the human eye cannot. The visible light spectrum is not limited to the colours the human eyes and brain can distinguish. As we move away from visible light towards longer wavelengths of light, we enter near infrared which is followed by the SWIR region.

SWIR light is reflective; it bounces off objects much like visible light. SWIR wavelengths, however, make objects easily recognisable and yield one of the tactical advantages of this imagery; object or individual identification.

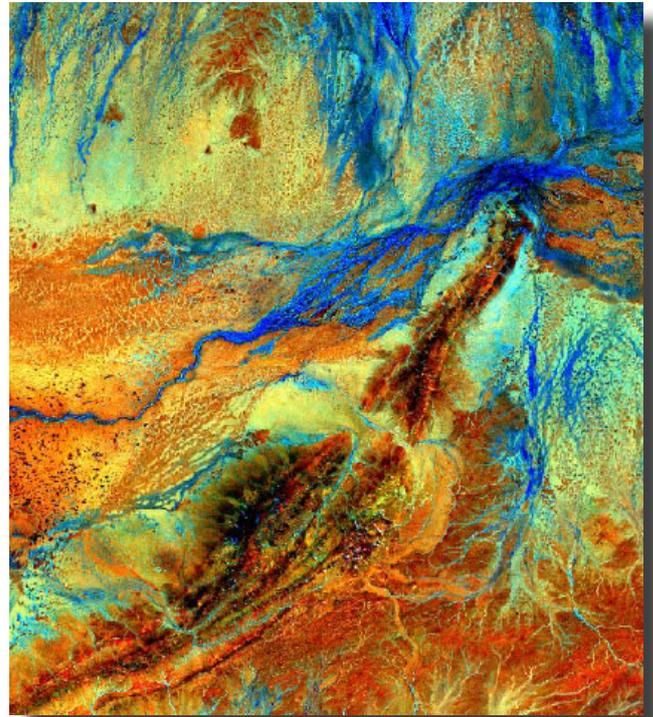


Figure: Example of SWIR spectral analysis over satellite imagery.

Maxar's WorldView-3 commercial satellite expands deeper into the infrared spectrum with SWIR, providing rich data for precisely identifying and characterising man-made and natural materials.

Did you know? *Geoimage is Australiasia's only Gold Reseller for Maxar, meaning priority access to the latest satellite imagery.*

How can your business utilise SWIR?

SWIR bands allow automated information extraction that allow data to be interpreted in incredible ways. The benefits of collecting reflective data in these wavelengths can help reveal the following:

- Mineral content of rocks
- Moisture levels of soil
- Vegetation health
- Physical composition of buildings plus thousands of other invisible details

For more information, download our SWIR eBook found on our website.

MAXAR | Authorized Reseller

Contact the Geoimage team today!

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