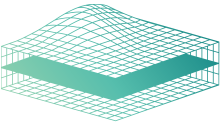




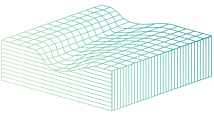
# NICKEL LATERITES

ACCURATE AND CONTINUOUS DEPOSIT MODELS



## THE DEEPEST PENETRATING GPR TECHNOLOGY

UltraGPR uses unique transmitters and real-time sampling receivers to capture the deepest images possible of the subsurface. UltraGPR was designed specifically for lateritic environments in the most difficult of deposits. Penetration depths to over 60 m are common.



## THE HIGHEST RESOLUTION GEOPHYSICAL METHOD

No geophysical tool approaches the resolution and accuracy of UltraGPR in tropical laterites. Depth and positioning accuracy within  $\pm 1$  metre to map limonite, saprolite, rocky saprolite and bedrock contacts.



## THE MOST EXPERIENCE IN LATERITES

Since 1990, Groundradar has surveyed every major laterite deposit on the planet with GPR. From the largest deposits in New Caledonia to smaller sites in central Africa, Groundradar has been there.



## THE LOWEST COST EXPLORATION TOOL

At a fraction of the cost of other geophysical methods such as ERT or refraction seismic, neither of which are sufficiently accurate in laterites due to the high spatial variation in weathering depths, UltraGPR offers the best approach to horizon control for despot modelling purposes.

# REPLACE INTERPOLATION BETWEEN DRILLING WITH DECISION CONFIDENCE USING ULTRAGRPR.

30+ YEARS OF NICKEL LATERITE EXPERIENCE



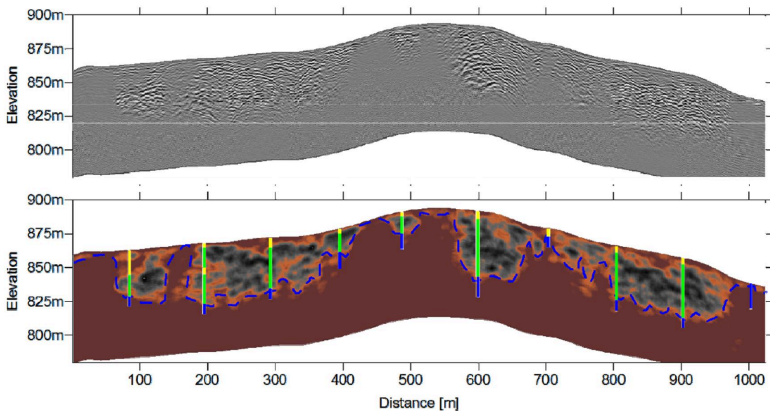
## CONTINUOUS PROFILING

Only UltraGPR can map the major lithological units of a laterite deposit to depths reaching 60 metres continuously.

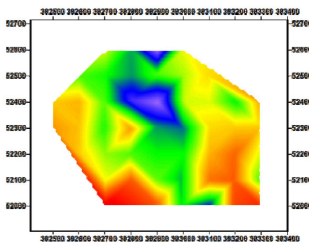
## USED IN ALL PROJECT PHASES

Groundradar regularly conducts projects during exploration, development and production phases of laterite projects globally.

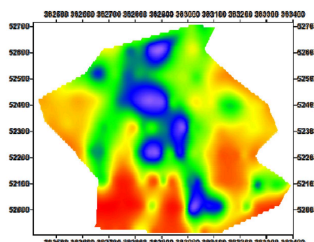
## RAW DATA



## PROCESSED DATA SHOWING ROCKY SAPROLITE



DEPTH TO BEDROCK WITH DRILLING



DEPTH TO BEDROCK WITH DRILLING AND ULTRAGRPR

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