

Prospecting for iron ore in the Bedong area, Kedah using geophysical techniques

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Geophysical studies were conducted in the Sungai Tok Pawang locality in Bedong, Kedah on sites which had been mined for iron ore as well as areas adjacent to them. Reconnaissance magnetic profiling over three old mining sites did not locate any anomalies significant enough to warrant further investigation. However, ground magnetic, gravity and electrical imaging surveys carried out along a network of traverses in an unmined area, adjacent to some old mining pools, detected a previously unknown probable iron ore deposit. Integrated mathematical modelling of the magnetic and gravity data shows a sizeable ore body with physical characteristics similar to previously mined deposits in the area. Follow-up detailed geophysical surveys and drilling are needed to further delineate this new iron ore body.