
Results of magnetic survey in Tekai Valley, Pahang

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A ground magnetic survey was conducted in the Tekai Valley area, Pahang. The intensity of the total magnetic field was measured along several traverses including logging tracks and the Tekai River which runs approximately NNW and cuts through the Jurassic rocks of the Tembeling Group.

The magnetic results show no obvious correlation between the intensity of the magnetic field and the surface geology observed along the traverses. However a sharp increase of intensity was recorded in an area between Sungai Termus and Sungai Jemar, the tributaries of Tekai River. This feature appears to be related to a zone of highly fractured and brecciated rocks which could be associated with a major thrust fault observed in the area.

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Satu survei magnet telah dijalankan di kawasan lembah Tekai, Pahang. Keamatan medan magnet telah diukur di beberapa rentisan jalan balak dan di sepanjang Sungai Tekai yang berarah utara barat laut dan memotong batuan Jura dari Kumpulan Tembeling.

Keputusan yang diperolehi menunjukkan tidak ada korelasi yang jelas di antara keamatan medan magnet dengan geologi permukaan di sepanjang garis-garis rentisan. Walaupun bagaimanapun terdapat kenaikan keamatan magnet yang jelas di kawasan antara Sungai Termis dan Sungai Jemar iaitu cawangan Sungai Tekai. Fitur ini mempunyai kaitan dengan zon batuan teretak dan terbreksi tinggi yang boleh diasosiasikan dengan sesar sungkup utama yang terdapat di kawasan tersebut.