

PRELIMINARY REPORT ON THE MAGNETIC ANOMALY NORTH OF WALLAROO:

The magnetic anomaly centred north of Wallaroo was revealed in an aerial magnetometer survey conducted by the Bureau of Mineral Resources. It was first located more accurately by running a series of magnetometer traverses along nearby roads and fencelines.

This early survey revealed two large magnetic anomalies of more than 10,000 grammas. A series of surveyed lines were then laid down so that a more detailed survey could be undertaken. This survey extends into Sections 921W and 922 Hundred of Wallaroo and Sections 552 and 553 Hundred of Tickersa.

One week has been spent on the detailed investigation and some recommendations can be made from the results obtained. An anomaly of 40,000 grammas, almost double the largest anomaly found at either Balgowan or Weefulta, was located in section 912W Hundred of Wallaroo. Insufficient work has been done as yet to indicate the nature or orientation of the magnetic body but from the size of the anomaly the body must be composed of a high percentage of magnetite.

The presence of float material around the region where the magnetic values are highest would indicate a fairly shallow soil cover. These "floaters" consist of metamorphic and igneous rocks mainly and also a number showed ferruginous material. The latter were collected and handed to Dr. Miles.

It is possible that trenching would reveal the cause of the anomaly and it is recommended that such work be done before drilling.

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