

THE MAGNETICS
OF
THE NAIRNE PYRITE FORMATION

by W.K. THIBLE

University of Adelaide
Department of Economic Geology
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The Nairne Pyrite Formation is a sedimentary sulphide deposit occurring near the base of the Kanmantoo series of rocks.

The average sulphide content of the formation is 10%, half of which consists of pyrrhotite.

The measurement of susceptibility and permanent remnant magnetism of the formation, ground magnetic surveys across the horizon, and the analysis of aeromagnetic maps covering the northern area of outcrop are described.

The results obtained are discussed and some conclusions drawn on the applicability of magnetic prospecting to the search for this deposit.

Footnote.

Since the time of writing this report, the name of the Nairne Pyrite Formation has been altered.

The horizon is now known as the Bruckunga Formation.

Unfortunately, it was not possible to alter the text, and the reader is asked to read, "Bruckunga Formation" for "Nairne Pyrite Formation" where necessary.