

THE GEOLOGY, PETROLOGY AND GEOCHEMISTRY
OF THE
TEIZI METANORTHOSITE.

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ABSTRACT

A study was made of the detailed geology, petrology and geochemistry of the Teizi Metanorthosite of Central Australia. The body is a metamorphosed stratiform anorthosite with marked lithologic layering.

The geology is presented as a geological map, discussion of structure and lithology and a sequence of events.

Major and trace element analyses of a suite of plagioclases show composition variation and define an antiperthite composition field.

Whole rock analyses provide geochemical information, allow interpretation of mineral assemblages and comparison with experimental investigations of basic rock metamorphism.

Classification and genesis of the Teizi Metanorthosite and anorthosites in general is discussed.