

Metadata Details

Title

Geology and Geochemistry of the Zweisskl Area, Central Dronning Maud Land, East Antarctica.

Science Keywords

Category	Paleoclimate
Topic	Geochemistry123
Expedition Year	1998-1999
ISO Topic	Geodesy

Summary

Abstract

The southern most part of the Zweissel area is dominated by granitoid rocks indicating a plutonic/metamorphic domain during the evolution of this part of Wohlthat Mountains in Central Dronning Maud Land. On the basis of field and petrographic studies, these granitoids are divided into three types viz. Quartzo-felspathic gneiss (Hbl-Bio gneiss), foliated granite and undeformed porphyritic granite. These granitoids have been emplaced in several stages and contrasting environments during the complex cratonisation process associated with the Pan-African orogeny.

Purpose

The central Dronning Maud Land occupies the centre stage due to its critical position in the reconstruction of Gondwanaland Supercontinent and the enigmatic role it plays in the early Cambrian Pan-African orogeny.

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