

# Metadata Details

## Title

Geological Studies in Western Muhlig-Hofmann Mountains, Central Dronning Maud Land, East Antarctica

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## Science Keywords

Category	Paleoclimate
Topic	Geomorphology
Expedition Year	2002-2003
ISO Topic	Geodesy

## Summary

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### Abstract

In pursuance of its long term program of mapping the entire Wohlthat ranges in cDML, East Antarctica, geological mapping was carried out in the western parts of Muhlig-Hofmann Mountains during the 22nd Indian Antarctic Expedition. About 1000 sq km area bounded by Longitudes 5°00' and 5°45' East and Latitudes 71°45' and 72° 10' South was covered during the austral summer of 2002-03. The study area lies more than 170NM WSW of Maitri station and the fieldwork was carried out using helicopters by taking droppoints in the area.

### Purpose

The present area occurs in the western part of Muhlig-Hofmann Mountains. Coarse-grained chamockite dominates the northern portion of the area while the central and southern portions expose coarse, poiphyritic granite. Banded gneisses occur in the southwestern part and as enclaves/rafts within the granitoids.

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