

Metadata Details

Title

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

Science Keywords

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

Summary

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.

Data Center