Metadata Details

Title

Chemical Studies on the Ice Shelf, in a Freshwater Lake and in a Polynya at Princess Astrid Coast, Dronning Maud Land, Antarctica.

Science Keywords

Category	Marine Science
Topic	Ocean Chemistry
Expedition Year	1981-1982 1981-1982
ISO Topic	Atmosphere

Summary

Abstract

Chemical characteristics such as salinity, temperature, dissolved oxygen, phosphate, nitrate, nitrite, silicate, calcium, magnesium, potassium, fluoride, bromide, iodide, iron, zinc, copper, manganese, nickel, cobalt, lead and cadmium were measured up to 5 meters in the ice shelf, in the surface waters of a freshwater late in Antarctica and at several water depths in the polynya.

Purpose

Antarctica is an uncontaminated datum point for environmental studies. Therefore, an examination of the potential pollutants should give rise to a base value for comparing with time their increase in the marine environment. In this respect, the glacial ice of Antarctica when compared with the Himalayan glaciers can indicate the concentrations of pollutants at the Southern and northern extremities of the Indian Ocean.

Data Center