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Geological Results of the Polish Spitsbergen Expeditions

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JURASSIC-LOWER CRETACEOUS SUCCESSION AT AGARDHBUKTA, EAST SPITSBERGEN

(Figs 1-5; Tabs 1, 2)

Contents

Abstract	35
Introduction	35
Lithostratigraphic sections	38
Base of the Jurassic succession: the De Geerdalen Formation	44
Janusfjellet Formation	45
Agardhfjellet Member	46
Myklegardfjellet Bed	49
Rurikfjellet Member	50
Helvetiafjellet Formation	51
Festningen Sandstone Member	51
Glitrefjellet Member	51
Comparisons	51
References - Literatura	52
Streszczenie	52

Abstract

Lithostratigraphic succession of the Jurassic and Lower Cretaceous strata at Myklegardfjellet (S, SW) and Holmgardfjellet (S), at Agardhbukta (east Spitsbergen), is described. The fauna collected by the present author from these strata in 1977 (determined by H. Pugaczewska and A. Wierzbowski) helps define the age of the beds investigated. A new lithostratigraphic unit - the Myklegardfjellet Bed has been distinguished at the base of the Rurikfjellet Member.

INTRODUCTION

Three lithostratigraphic sections of the Jurassic and Lower Cretaceous strata here described have been investigated by the present author during a Polish-American palaeomagnetic expedition to east Spitsbergen organized by the Institute

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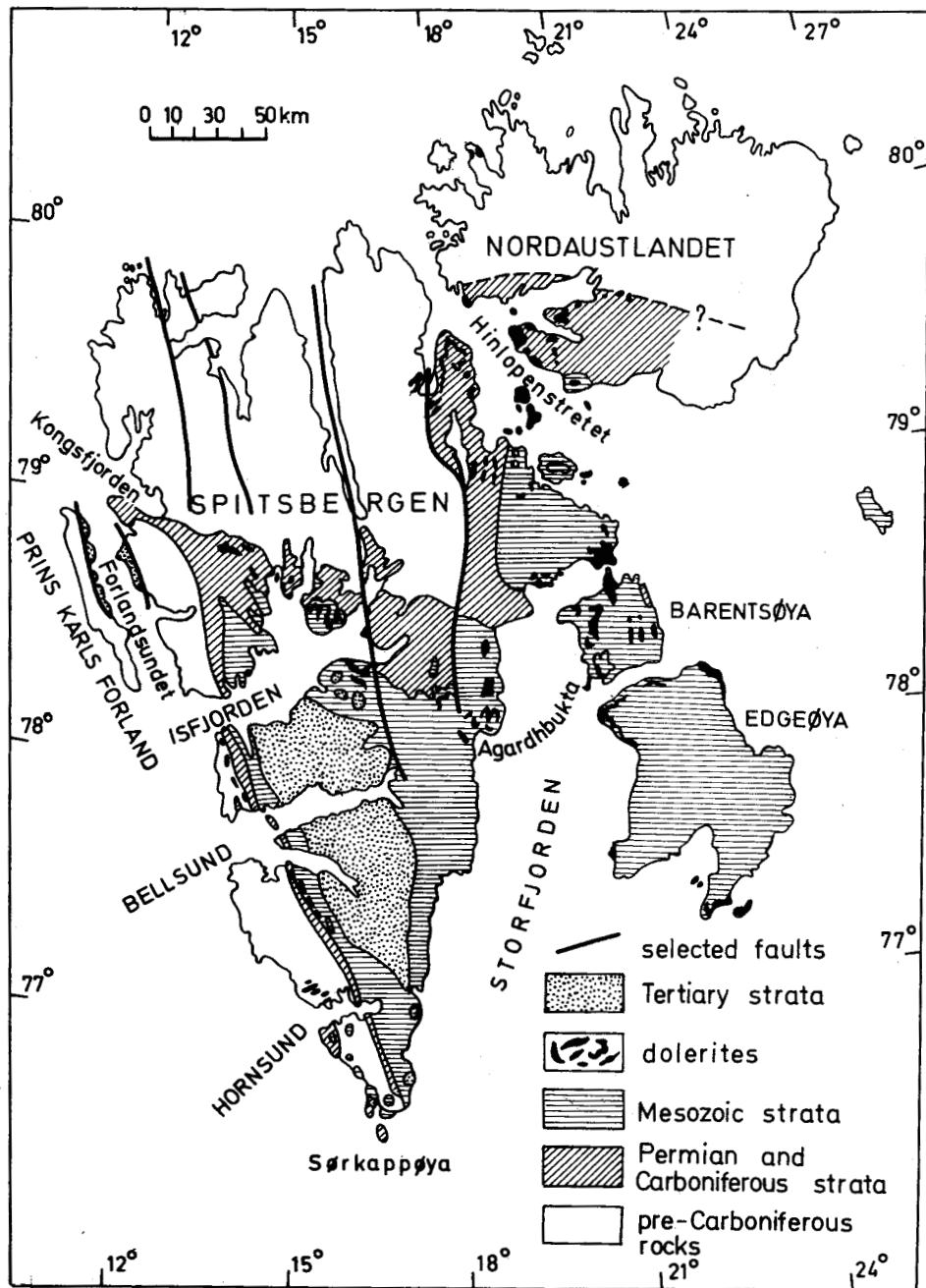


Fig. 1
Position of Agardhbukta in simplified geological map of Svalbard

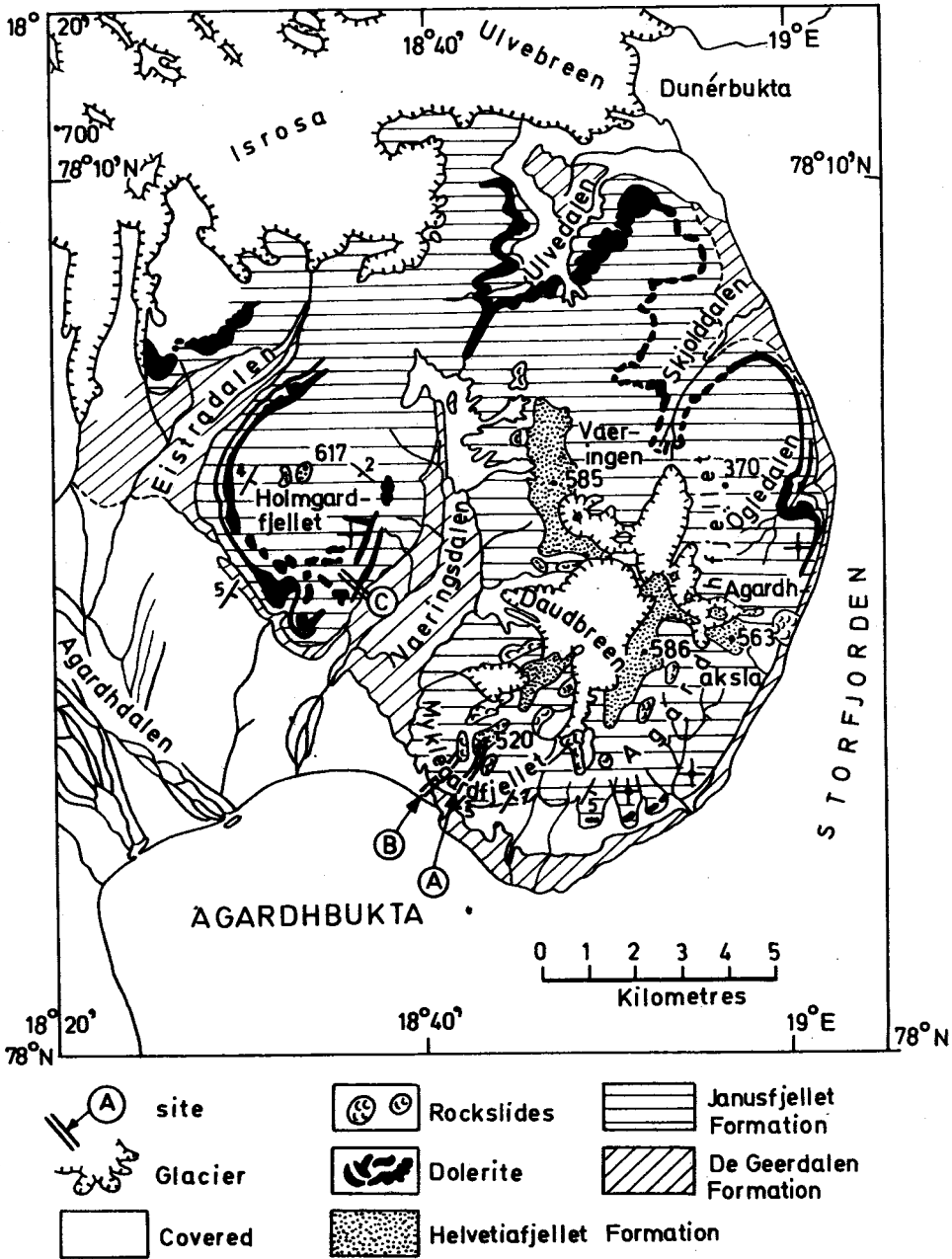


Fig. 2
 Geological sketch-map of the Agardhbukta area
 A-C - localization of stratigraphical sections (see Figs 3-5)

