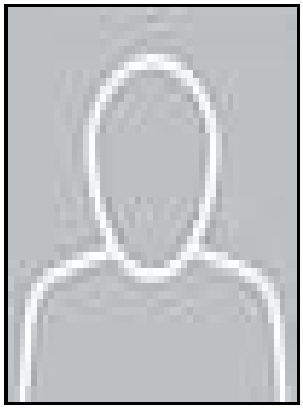
Late quaternary stratigraphy of Fnjo skadalur central north Iceland - a study of sediments, ice-lake strandlines,glacial isostacy and ice-free areas.

Lund University, Department of Quaternary Geology - Seismic stratigraphy of Quaternary deposits in the north



Description: -
-Late quaternary stratigraphy of Fnjo skadalur central north Iceland - a study of sediments, ice-lake strandlines,glacial isostacy and ice-free areas.
-
Lundqua thesis -- vol.12Late quaternary stratigraphy of Fnjo skadalur central north Iceland - a study of sediments, ice-lake strandlines,glacial isostacy and ice-free areas.
Notes: Thesis (Ph.D.) - Lund University.
This edition was published in 1983

Tags: #Stratigraphy #of #late #Quaternary #deposits #using #high #resolution #seismic #profile #in #the #southeastern #Yellow #Sea

Late Quaternary glaciation history of northernmost Greenland

The shelf-based ice began to retreat ca 16 ka to 10.

Stratigraphy of late Quaternary deposits using high resolution seismic profile in the southeastern Yellow Sea

The beginning of Younger Dryas is likely, but Alleröd and the end of Older Dryas should also be considered possible. We present the mapping of glacial landforms and sediments from northernmost Greenland bordering 100 km of the Arctic Ocean coast.

Late Quaternary glaciation history of northernmost Greenland

The results of this study present firstly clear seismic evidence that the southeastern Yellow Sea mud belt SEYSM can be divided into three stratigraphic units units SY3, SY4, and SY5 bounded by distinct bounding surfaces. It is speculated that the shelf-based ice was largely affected by the presence of thick multiyear sea ice in the Arctic Ocean that prevented it from breaking up and forced the outlet glaciers to flow eastwards. During the initial retreat the coastal area was dammed by the shelf-based ice and kame and glaciolacustrine sediments were deposited up to 50 m above the marine limit before the final deglaciation and marine transgression.

Stratigraphy of late Quaternary deposits using high resolution seismic profile in the southeastern Yellow Sea

Volcanic erratic boulders document ice-transport from 80 to 100 km west of the study area.

Late Quaternary ice sheet history of northern Eurasia

The distance between the profiling lines is too spacious to allow detection of the direction of these morphological features. Approximately 1560 line-km data of chirp and sparker profiles were acquired, together with 11 piston cores. Cite this article Knies, J.

Late Quaternary ice sheet history of northern Eurasia

We argue that these findings are best explained by local outlet glaciers from the Greenland Ice Sheet and local ice caps that merged to form a shelf-based ice in the Arctic Ocean and possibly confirming an extensive ice shelf in the Lincoln Sea between Greenland and Ellesmere Island. In the southern part of the area there are indications of marginal deposits, though.

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