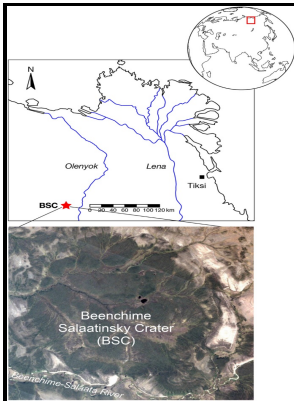


Late quaternary stratigraphy of Fnjo skadalur central north Iceland - a study of sediments, ice-lake strandlines, glacial isostasy and ice-free areas.

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



Description: -

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Lundqua thesis -- vol.12Late quaternary stratigraphy of Fnjo skadalur central north Iceland - a study of sediments, ice-lake strandlines, glacial isostasy and ice-free areas.

Notes: Thesis (Ph.D.) - Lund University.

This edition was published in 1983



Filesize: 63.109 MB

Tags: #Late #Quaternary #growth #and #decay #of #the #Svalbard/Barents #Sea #ice #sheet #and #paleoceanographic #evolution #in #the #adjacent #Arctic #Ocean

Seismic stratigraphy of Quaternary deposits in the north

One of the most important discoveries is that glacial landforms, sediments, including till fabric measurements, striae and stoss-lee boulders suggest eastward ice-flow along the coastal plain.

Late Quaternary growth and decay of the Svalbard/Barents Sea ice sheet and paleoceanographic evolution in the adjacent Arctic Ocean

In the southern part of the area there are indications of marginal deposits, though.

Late Quaternary ice sheet history of northern Eurasia

The virtually complete dissolution of biogenic calcite during interglacial intervals was controlled mainly by CO₂-rich bottom waters and oxidation of higher levels of marine organic carbon and indicates intensive Atlantic water inflow and a stable ice margin. By continuing you agree to the.

Seismic stratigraphy of Quaternary deposits in the north

Temporary ice-free conditions enhanced by subsurface Atlantic water advection and coastal polynyas accelerated the final ice sheet build-up during glacial times. The reconstructed ice limits are based on satellite data and aerial photographs combined with geological field investigations in Russia and Siberia, and with marine seismic- and sediment core data. The modeling results are roughly compatible with the geological record of ice growth, but the model underpredicts the glaciations in the Eurasian Arctic during the Early and Middle Weichselian.

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