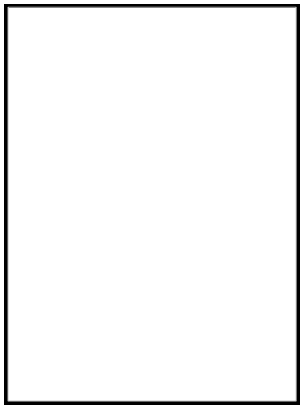
Quaternary stratigraphy in southern Alberta

Dept. of Energy, Mines and Resources - Limits of Successive Middle and Late Pleistocene Continental Ice Sheets, Interior Plains of Southern and Central Alberta and Adjacent Areas



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Astronautics in astronomy.
Gamma ray bursts.
Geology -- Alberta.
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Summary of Quaternary stratigraphy and history, Western Canada

This rapid drainage resulted in water driven fracture moulin propagation through the ice, increased seismic events, transient ice acceleration, ice-sheet uplift, and horizontal movement of the entire ice sheet Das et al.

Subcommission on Quaternary Stratigraphy

This fits the model of progressive expansion of the western margins of continental ice sheets through the Pleistocene in North America. On the other hand, extrapolation of a landslide chronology to valleys on the semi-arid plains may be justified, but there are no data at present to test the hypothesis that episodes of slope instability in these valleys and the Cypress Hills were coeval. Some researchers suggest topographic highs deglaciated first and ice thicknesses in the valleys far exceeded that on the plateaus Fulton 1989 and 1991; Lesemann and Brennand 2009.

Quaternary Glaciations

AEU SCI Q 581 S44 Focusses on the region of the Lethbridge moraine of southern Alberta.

High resolution sequence stratigraphy; the East Coulee Delta, Alberta

However, a revisiting of the chronology of the maximum advance of the Laurentide Ice Sheet in this region by Arthur Dyke of GSC and university colleagues in 2002 concluded that the maximum advance was more likely in the range of about 21,000 YBP, which is compatible with the last glacial maximum. Hughes 2000 Diamict Fill in Sub-glacial Channels, Poplar River Strip Mine, Southern Saskatchewan. Although these data are obviously limited, the comparison with Harris Lake is interesting: greater alluvial and lacustrine sedimentation during the periods 7300-3880 and 6800-3450 yrs BP, respectively, than in more recent time.

Biography

Rounded to subrounded, gravel clasts indicate fluvial transport. Pediments on the south and east and steep escarpments on the north and west

descend over 600 m from plateau to the surrounding plains.

Limits of Successive Middle and Late Pleistocene Continental Ice Sheets, Interior Plains of Southern and Central Alberta and Adjacent Areas

Abstracts with Programs, 1982 , 35th Annual Meeting, Rocky Mountain Section, Geological Society of America, vol. However, debris rain-out from the basal portion of a valley glacier into a subglacial lake could also produce such dropstones. Stalker 1965 concluded that 300 km2 of the west block would have been a nunatak rising about 90 m above the Wisconsinan Laurentide ice sheet.

Related Books

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