

References

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C¹⁴ DATES FROM THE SCORESBY SUND REGION, 1971

Abstracts by Svend Funder

Radiocarbon dates have been obtained on samples of post-glacial lake mud and marine bivalve shells collected by the author in 1969 and 1970. The material has been dated by two laboratories; those marked K by Henrik Tauber, Carbon-14 Dating Laboratory, National Museum, Copenhagen and those marked I by Isotopes Inc., Westwood, New Jersey, U.S.A.

GGU 106515: K-1740. Lake 2 km south of mouth of Fegins Elv. Jameson Land (71° 08' N, 24° 22' W).

Age: 2290 ± 140 years before 1950
340 B.C.

The lowermost 5 cm of a deposit of lake mud resting on (?) fluvial sand. Lake water level 26 m above sea level. The sample dates a period dominated by *Salix* in a pollen diagram from the site (unpublished).

GGU 106522: K-1741. Lake at Heden, Jameson Land (70° 46' N, 24° 07' W).

Age: 8580 ± 140 years before 1950
6630 B.C.

The lowermost 5 cm of a deposit of lake mud resting on (?) marine clay. Lake water level 53 m above sea level. The sample dates the immigration of *Betula nana* into the area (unpublished pollen diagram), and gives a minimum date for a sea level 53 m above the present.

GGU 134008: I-5420. At the edge of Eielson Gletscher in Rypefjord (71° 09' N, 27° 50' W).

Age: 6650 ± 125 years before 1950
4700 B.C.

Shells (*Mya truncata*, *Hiatella arctica* and *Macoma calcaria*) from a cliff of grey silt 30 m above sea level. The deposit grades upwards into a shoreline at 36 m. Fragments of *Mytilus edulis* occurred in addition to the dated species. The sample dates a time when Eielson Gletscher was behind its present limit, the presence of the now extinct *Mytilus* in the area and probably a marine level at 36 m (local marine limit).

GGU 134011: I-5421. Northern shore of Harefjord (70° 57' N, 28° 09' W).

Age: 7140 ± 130 years before 1950
5190 B. C.

Shells (*Mya truncata*) from a silt deposit 42-46 m above sea level. The silt grades into a shoreline deposit at 50 m, which is the local marine limit. The sample probably dates this marine level.

GGU 134013: I-5422. Morænepynt in Føn fjord (70° 25' N, 27° 49' W).

Age: 6450 ± 120 years before 1950
4500 B.C.

Shells (*Mya truncata* and *Hiatella arctica*) from a silt deposit 20-22 m above sea level. The silt grades into a shoreline 25 m above sea level. Fragments of *Mytilus edulis* were found in the deposit. The sample probably dates a shoreline 25 m above sea level and the presence of the now extinct *Mytilus* in the area.

GGU 134015: I-5423. Elvdalen, Danmark Ø (70° 27' N, 26° 12' W).

Age: 6840 ± 125 years before 1950
4890 B.C.

Shells (*Mya truncata*, *Hiatella arctica*, *Astarte borealis* and *Astarte elliptica*) from silt deposits 1.5-3 m above sea level, believed to correspond to a shoreline 6 m above sea level. Fragments of *Mytilus edulis* and *Chlamys islandica* were found in the deposit. The sample probably dates a shoreline 6 m above sea level and the presence of *Mytilus* and *Chlamys* in the area.

GGU 134016: K-1742. Potamogetonsø at Rypefjord (70° 59' N, 27° 43' W).

Age: 6200 ± 140 years before 1950
4250 B.C.

The lowermost 3 cm of a deposit of lake mud resting on (?) marine silt. Lake water level 60 m above sea level. The sample gives a minimum date for a marine level at 60 m (local marine limit) and a "fixed point" in a pollen diagram (unpublished).

GGU 134018: K-1743. Lake on western Milne Land near Rødefjord (70° 30' N, 27° 57' W).

Age: 6780 ± 140 years before 1950
4830 B.C.

The lowermost 8 cm in a deposit of lake mud resting on glacio-fluviatile sand.

Lake water level 200 m above sea level. The lake is situated immediately inside a system of moraine ridges deposited by a glacier in Rødefjord. Thus the sample gives a minimum date for this glacial stage and a date for the bottom of a pollen diagram (unpublished).