
Origin and Mineralogy Glacial and Interglacial Clays of Southern Norway

I.Th. Rosenqvist

Institute of Geology, University of Oslo, P.O. Box 1047, Blindern, Oslo 3, Norway

Abstract: The Numedal River basin (6000 km²) in central and east Norway contains 3×10^9 m³ of clayey material, corresponding to a clay loam sediment, which contains 2 million tons of absorbed rare earth elements.

The clay mineralogy varies systematically from the till clays to a marine facies. It is concluded that the phyllosilicates of the clay fraction and tills originated from phyllosilicate minerals of the crystalline bedrock through a degradation partly due to preQuaternary weathering which dissolved a great part of the rock-forming minerals.

Clays and Clay Minerals; May 1975 v. 23; no. 2; p. 153-159; DOI: [10.1346/CCMN.1975.0230211](https://doi.org/10.1346/CCMN.1975.0230211)

© 1975, The Clay Minerals Society

Clay Minerals Society (www.clays.org)
