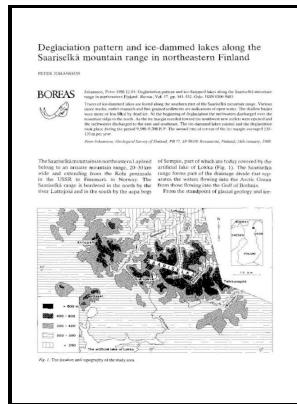


Granulite complex and adjacent rocks in Lapland, northern Finland

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Sequence of geologic events in the central and northeastern parts of the Lapland Granulite Belt: Isotopic geochemical zircon data and results of geological

The juvenile Lapland granulite belt and the reworked Inari area have also been proposed to form a part of the orogenic core of the Paleoproterozoic Lapland—Kola orogen between the Archean Kola and Karelian cratons Daly et al. The fine-grained intergrowths of chromite and secondary magnetite exist locally between the chromite core and secondary magnetite; also ilmenite exsolution lamellae exist in some chromites and chromite-magnetite lamellae have rarely been met with in primary ilmenite grains.

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The granulites of Lapland are likely to be the result of a full Wilson cycle protoliths deposited during plate divergence, granulite-facies metamorphism and related nappe tectonics developed through subduction and collision. We assume that the Tana River and granulite belts represent a suture between an older domain in the north craton of Kola Peninsula and the northern part of the Archean basement of Central Finland.

Sequence of geologic events in the central and northeastern parts of the Lapland Granulite Belt: Isotopic geochemical zircon data and results of geological

From a conservation point of view, the lack of wider knowledge of the distribution of geodiversity and its relationship to biodiversity hinders the protection of ecologically and geomorphologically valuable regions. АВтОРы пРЕДпОлАГАУт, ЧтО РЕкА тАНА И гРАНУЛ ИтОВЫЕ пОясА пРЕДстAVЛЬУт сОБОИ шОВ МЕЖДУ БОлEE ДРЕВНИМИ пОРОДАМИ НА сЕВЕРЕ кРАтОК оЛЬСКОГО пОЛ УОСТРОВА И сЕВЕРНОЙ ЧАСТЬЮ АРХ ЕИСКОГО ФУНДАМЕНТА И ЕНtРАЛЬНОИ ФИНЛАНДИИ.

The Granulite Belt of Lapland

Developments in Precambrian Geology 14, Amsterdam: Elsevier, 139—194. NATO ASI Series Series C: Mathematical and Physical Sciences , vol 311.

Relationships between granite

Summary: the ultramafics of Finland. Bulletin of the Geological Survey of Finland 281, 129 p.

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Hän toimi myös GTK:n yhteyshenkilönä Oy:n ja Technoexport-yhtymän Neuvostoliitto välissä neuvotteluissa ja toimenpiteissä valmisteltaessa raudanetsintäkarttaa Suomen alueelta Raetsuprojekti 1980-86 sekä Pohjoiskalottiprojektiin peruskalliogeologisen osaprojektiin työryhmän johtajana. Mineralogical-geochemical data on zircon from these rocks the anatomy of zircon crystals seen in BSE and CL imagery; U, Th, Hf, and Y concentrations; and REE patterns and their crystallization temperatures calculated using the Ti concentration make it possible to correlate the newly obtained geochronologic data with the sequence of metamorphic events inferred from petrological data.

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The Paleoproterozoic Nattanen-type granites in northern Finland and vicinity — a postcollisional oxidized A-type suite. Bedrock Map of Finland, 1: 1 000 000. The second stage is characterized by deformation related to the overthrusting of the Lapland granulite belt towards present day southwest Hölttä et al.

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