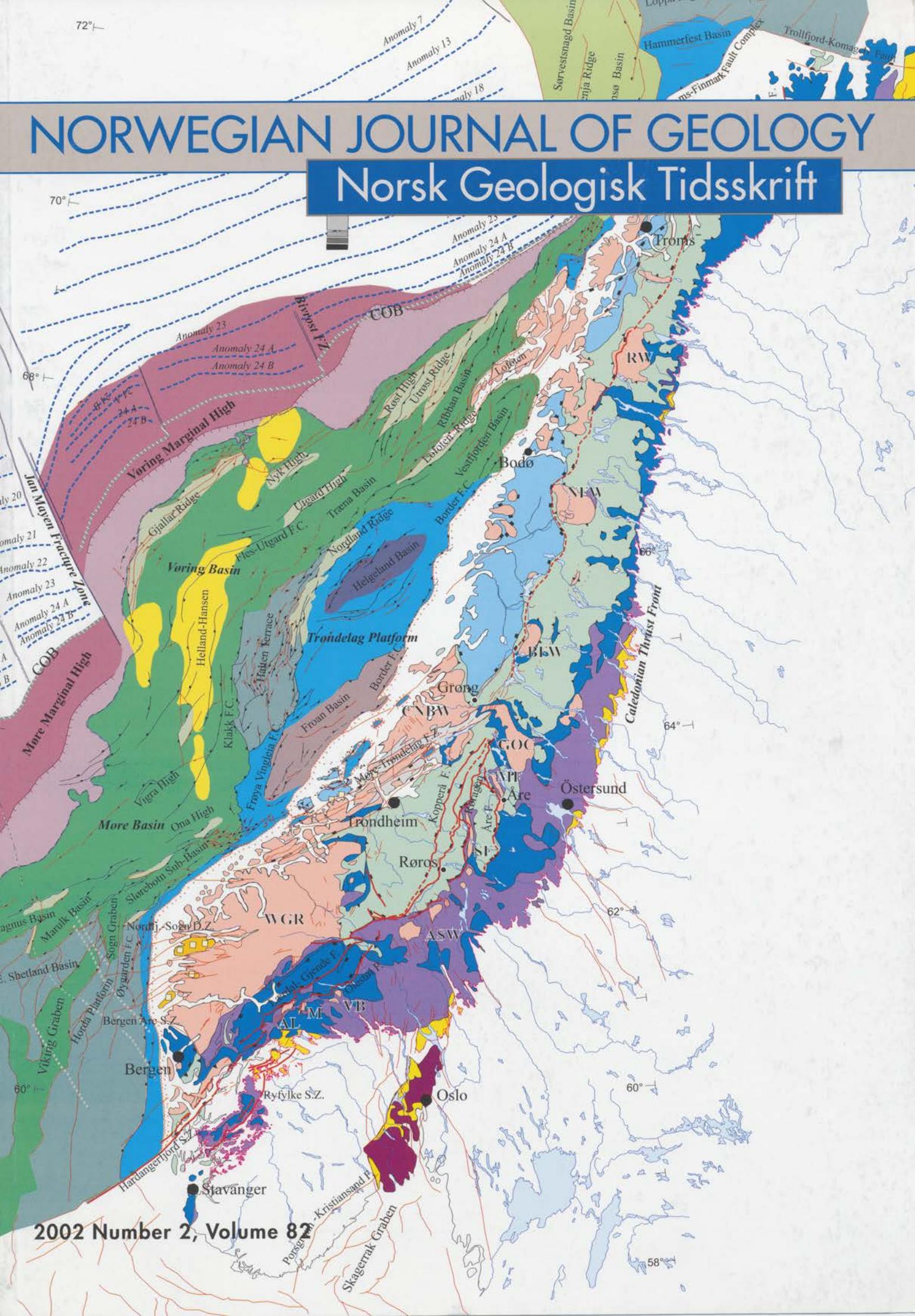


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The main journal for Norwegian geological research, distributed to all members of the Norwegian Geological Society. First published in 1905, this geological journal is issued quarterly by the Norwegian Geological Society (Norsk Geologisk Forening). The journal publishes research articles, review articles, papers, notes and discussions relevant to the varied and complex geology of Norway, the Arctic regions, and adjacent offshore areas. Scientific papers from all geological, geophysical and geochemical disciplines are considered for publication. The contributors, referees and readership are widely international.

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Front page photo

Onshore-offshore geological map of the Fennoscandian North Atlantic passive margin. The map highlights the onshore-offshore connections of the extensional faults related to successive rift events since the late Permian and shows that the passive margin extends into the onshore "Caledonides". The map introduces the innermost boundary fault system (IBF)—the proposed IBF is not a single fault but a series of normal faults running over a distance of 2000 km between the Viking Graben and the Barents Sea along the topographic crest of the mountain belt. The IBF is interpreted as the easternmost normal fault system that can be linked to the rifting that ultimately culminated with the formation of the North Atlantic. Thus, the passive margin comprises the complete area between the IBF and the continent-ocean boundary (COB). The map has been produced as part of the BAT project, a joint NGU-industry venture focusing on onshore and offshore links. Offshore map: from Blystad et al. 1995; Brekke et al. 1999, Gabrielsen et al. 1999; Smethurst, 2000, and data from NPD-Oljedirektorat. Scandinavian Caledonides tectonostratigraphic map: Sveriges geologiska undersökning Ser. Ba nr. 35; compiled by Gee et al. 1985. Onshore-Offshore map: modified from Mosar 2000. Offshore magnetic anomalies: from Skogseid et al. 2000.

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- [Yellow square] Tertiary domes and arches
- [Dark purple square] Marginal highs capped by Palaeogene volcanic rocks
- [Light purple square] Palaeogene volcanics, landward side of the escarpment
- [Light green square] Cretaceous and Tertiary Basins (Barents Sea) (inner flows)
- [Dark green square] Cretaceous basins
- [Light grey square] Cretaceous highs
- [Blue square] Platform area and shallow terrace
- [Dark blue square] Cretaceous basin on the Trondelag Platform
- [Medium blue square] Terraces and spurs
- [Dark grey square] Permo-Triassic basin on the Trondelag Platform

[Dotted line] Tertiary volcanic escarpment

[Solid line] Oceanic fracture zone

[Dashed line] Boundary of Tertiary lavas (inner flows)

[Long-dash line] Oceanic magnetic anomaly

[Dotted line with dots] Subcrop of top Basement below Quaternary

Onshore geology

- [Dark purple square] Permian
 - [Yellow square with black dots] Old Red Sandstone
 - [Light blue square] Uppermost Allochthon
 - [Light green square] Upper Allochthon
 - [Dark blue square] Middle Allochthon
 - [Light purple square] Sedimentary cover
 - [Light orange square] Precambrian crystalline rocks
 - [Yellow square] Sedimentary cover
 - [Light orange square] Precambrian crystalline rocks
- } Lower Allochthon
- } Parautochthon, Allochthon & Autochthon



AL = Aurland-Lærdal window

AKW = Alta-Kvenangen window

ASW = Atna-Spekedal window

BFW = Børgefjellet window

CNBW = Central Norway Basement window

GOC = Grong-Olden culmination

M = Merkedal window

MF = Mulfjellet

NFW = Nasafjället window

RKW = Repاردfjord-Komagfjord window

RW = Rombak window

SF = Skadør window

VB = Vang and Beito windows

WGR = Western Gneiss Region

(UTM projection - zone 32, WGS84)

300km

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