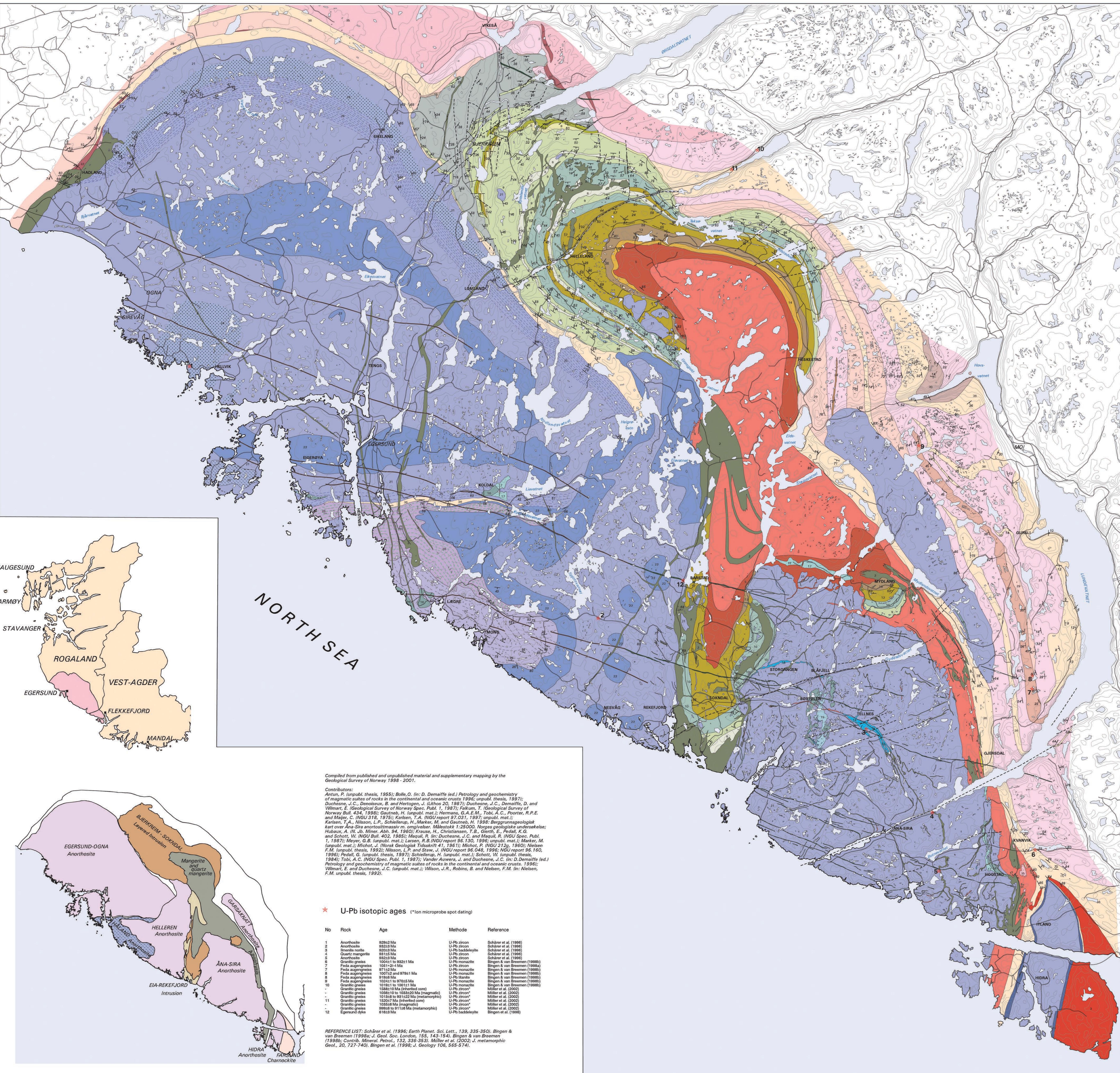


GEOLOGICAL MAP OF THE ROGALAND ANORTHOSITE PROVINCE

Scale 1 : 75 000

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LEGEND

- EGERSUND DYKE SWARM**
- Dolerite
- JOTUNITIC TO CHARNOCKITIC INTRUSIONS**
- 2 Jotunitic to mangeritic dyke with local noritic or quartz-mangeritic facies, or jotunitic intrusion (Eia-Rekefjord Intrusion)
 - 3 Charnockite
 - 4 Quartz mangerite with minor mangerite and charnockite
 - 5 Mangerite
- THE BJERKREIM-SOKNDAL LAYERED INTRUSION - LAYERED SERIES*** Anorthositic and leucotroctolitic rocks
- 6 Leucotroctolite and troctolite (pomC). Zone IIb, IIIb & IVb.
 - 7 Leuconorite and anorthosite (pC and piC) Zone IAa and IbA
 - 8 Imenite-magnetite leuconorite and anorthosite (pimC) Zone IIa and marginal rocks
 - 9 Imenite norite/leuconorite (phiC) Zone c
 - 10 Magnetite-ilmenite norite/leuconorite (phmC) Zone IIId & IVd
- Gabronoritic rocks**
- 11 Imenite gabbronorite (phiC) Lower part of Zone IB
 - 12 Magnetite-ilmenite gabbronorite with cumulus apatite (phimCaC). Zone IIIe and IVe and upper part of Zone IBe
 - 13 Magnetite-ilmenite gabbronorite with inverted pigeonite (ph'cimaC). Zone IVf
- Jotunitic rocks**
- 14 Jotunitic cumulates with Fe-rich olivine (p'coimaC). Transition Zone
 - 15 Jotunit (Marginal Series)
- OTHER NORITIC INTRUSIONS**
- 16 Norite and pyroxenite, mostly layered, with minor ilmenite, or noritic dyke
 - 17 Leuconorite, mostly unlayered
 - 18 Layered/unlayered norite, rich in ilmenite/ilmenite ore
 - 19 Norite pegmatite
- ANORTHOSITE BODIES**
- 20 Anorthosite intruded by leuconorite, agmatic
 - 21 Anorthosite, mostly massive, with minor leuconorite
 - 22 Leuconorite, massive
 - 23 Jotunit (marginal facies of the Hydria body)
 - 24 Anorthosite with abundant, unoriented, orthopyroxene megacrysts
 - 25 Anorthosite and leuconorite, foliated
 - 26 Anorthosite with pseudo enclaves of leuconorite, foliated
 - 27 Interlayered anorthosite and leuconorite with abundant modal layering
- GRANULITE-FACIES METAMORPHIC ROCKS (GNEISSES)**
- 28 Coarse-porphyritic metagranite, foliated (Feda suite)
 - 29 Porphyritic metagranite, weakly to well-foliated
 - 30 Metagranite, rich in white pegmatites, coarse- to medium-grained
 - 31 Granitic gneiss, grey, weakly foliated
 - 32 Pelitic gneiss with garnet and sillimanite
 - 33 Quartzite
 - 34 Amphibolite, orthopyroxene-bearing
 - 35 Migmatitic gneiss, light grey
 - 36 Banded gneiss. Different phases of grey granitic gneiss with sporadic amphibolitic (noritic) and metasedimentary (pelitic, quartzite) bands, well-developed planar structure (high strain) and variable content of light grey granitic bands
- STRUCTURES**
- Fault
 - Strike and dip of foliation/modal layering
 - Strike and dip of mineral lamination

* The Bjerkreim-Sokndal Layered Intrusion has been divided into cyclis units (O, IA, IB, II, III, IV), each consisting of a number of cumulate zones (a-f) defined by index mineralogies (Wilson et al., 1996). The rock terminology follows standard cumulate nomenclature:

p: plagioclase
h: Ca-poor pyroxene
m: magnetite
o: olivine
i: ilmenite
a: apatite
C: -cumulate

0 5 10 Kilometres

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