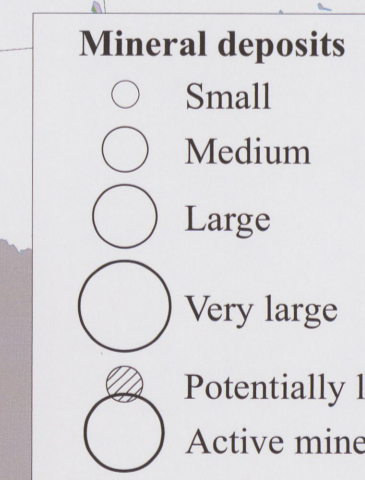
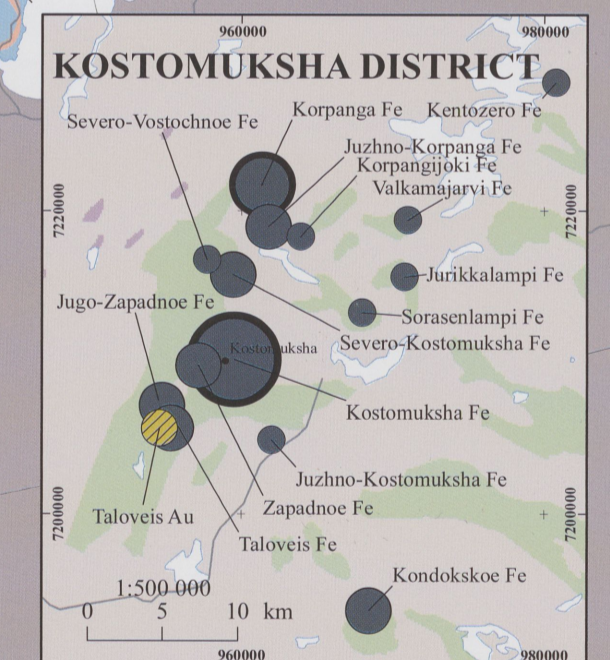
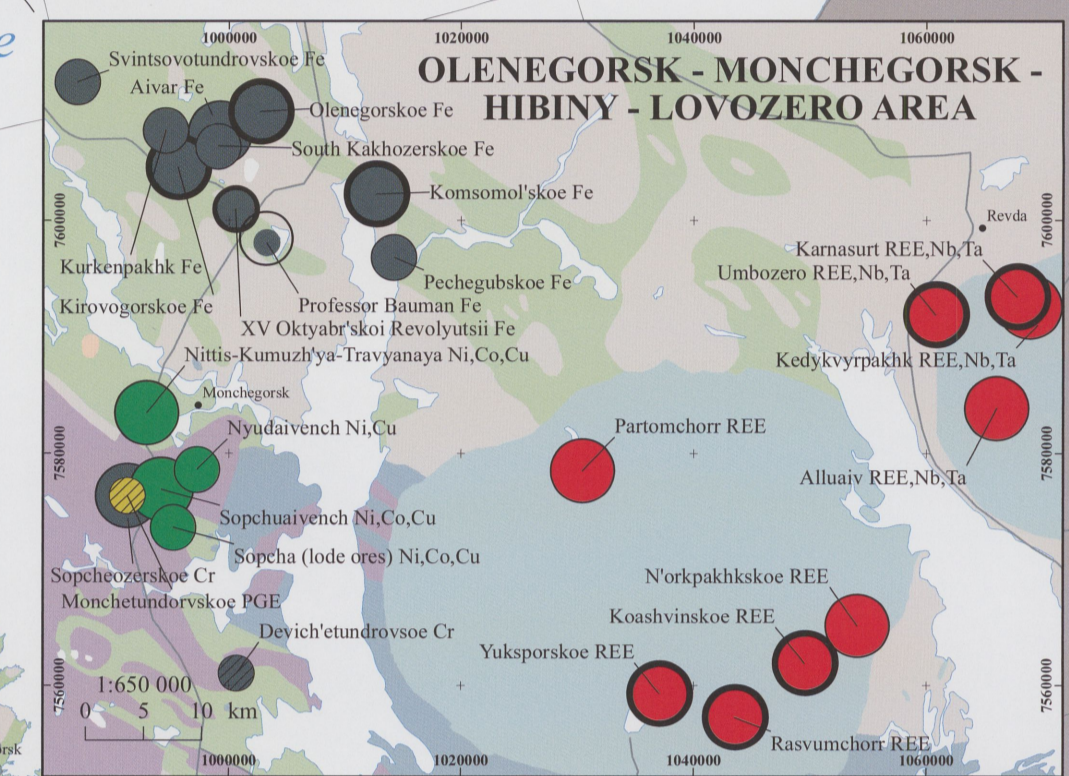
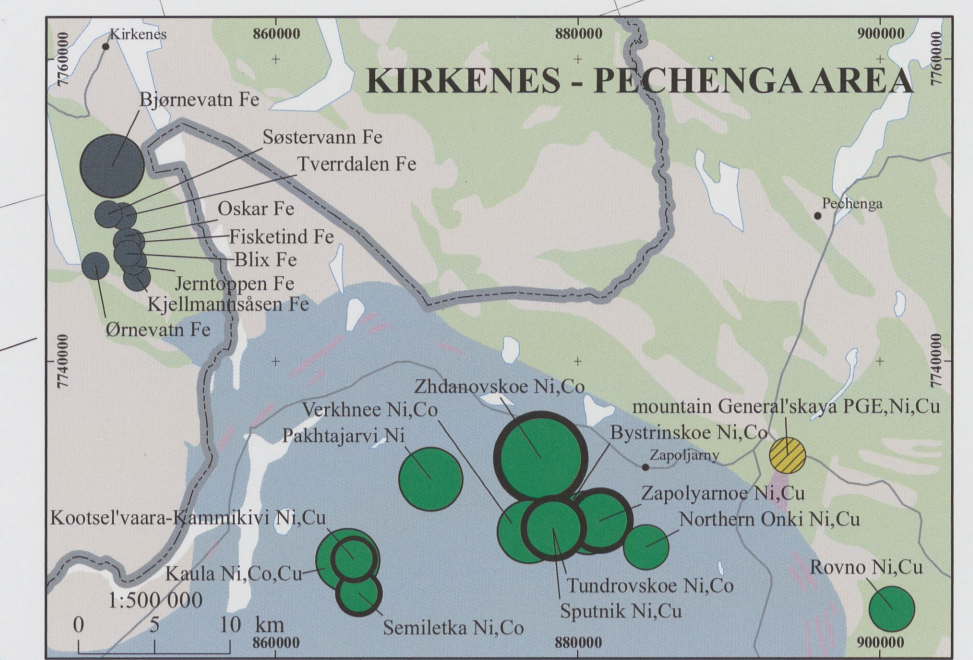
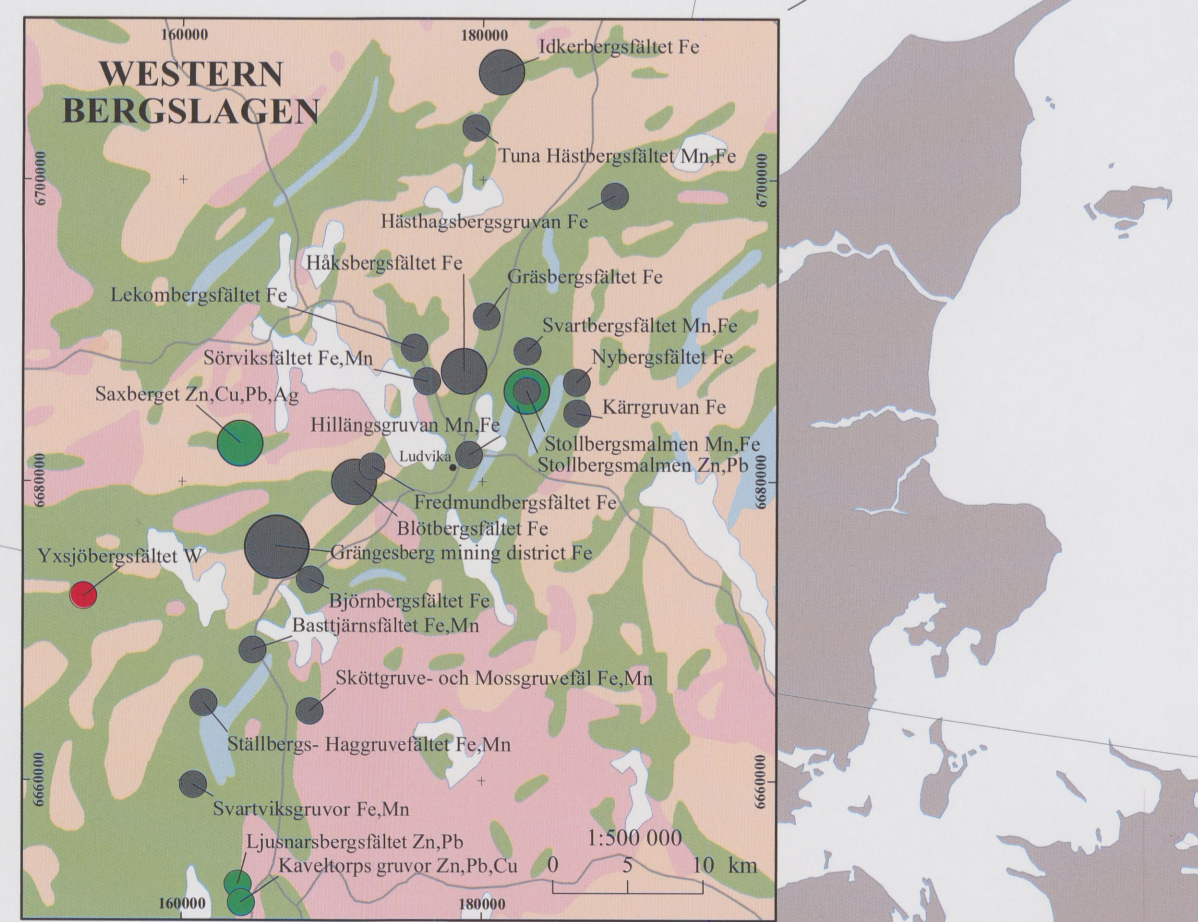
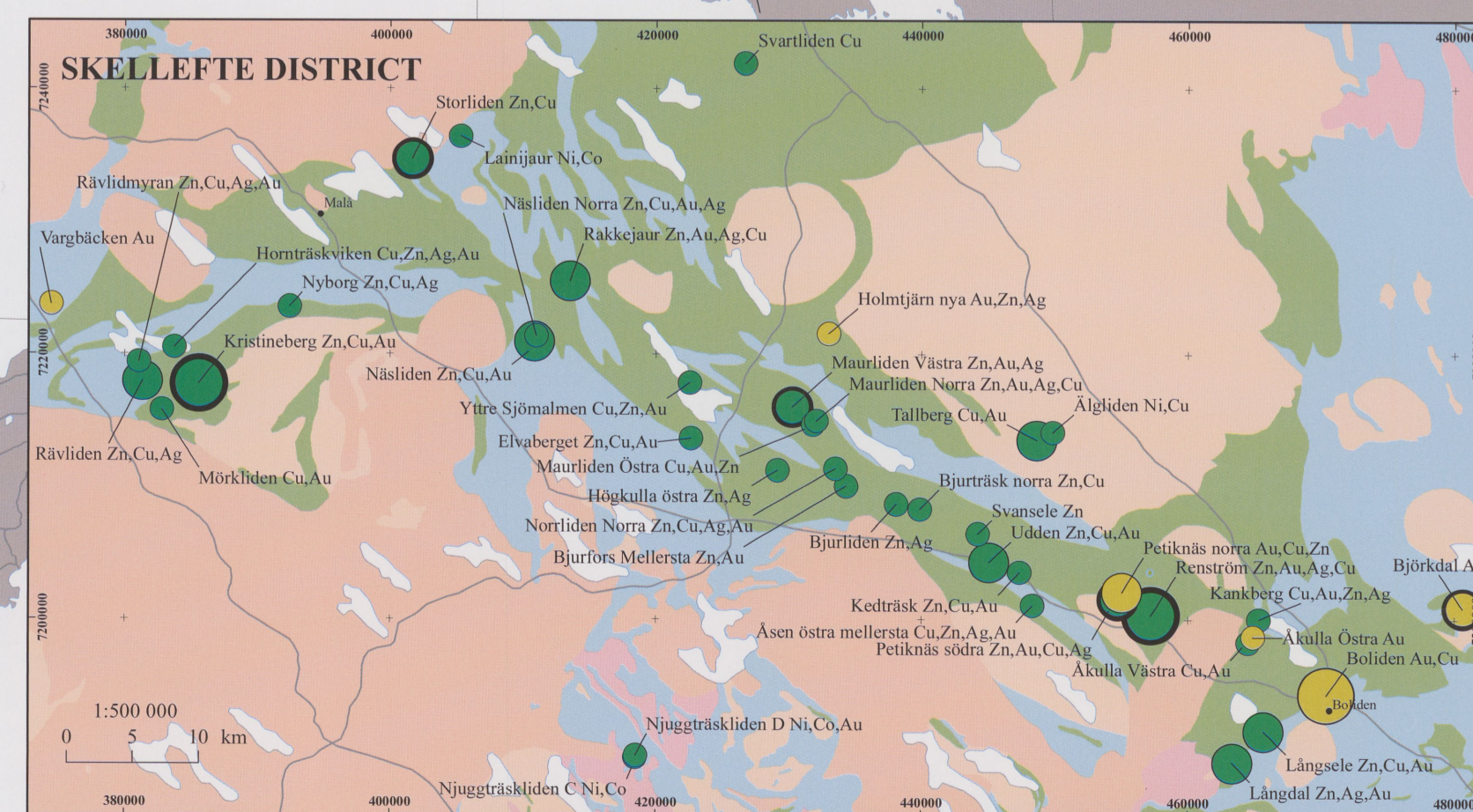
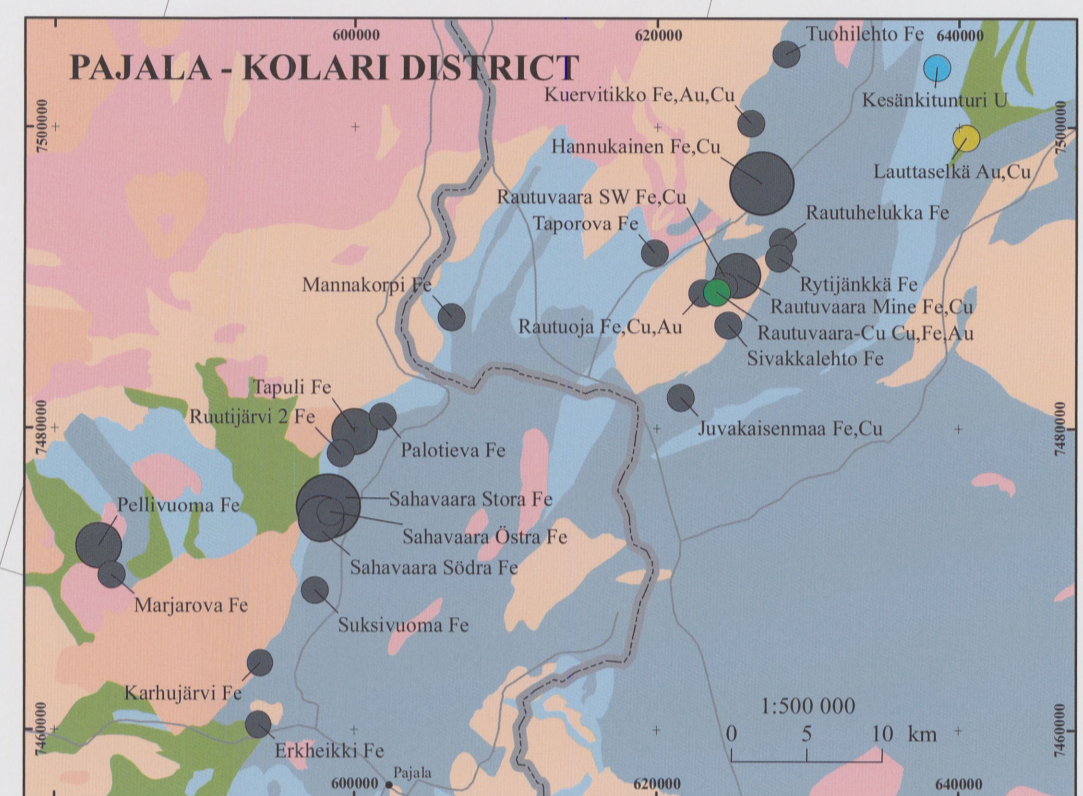
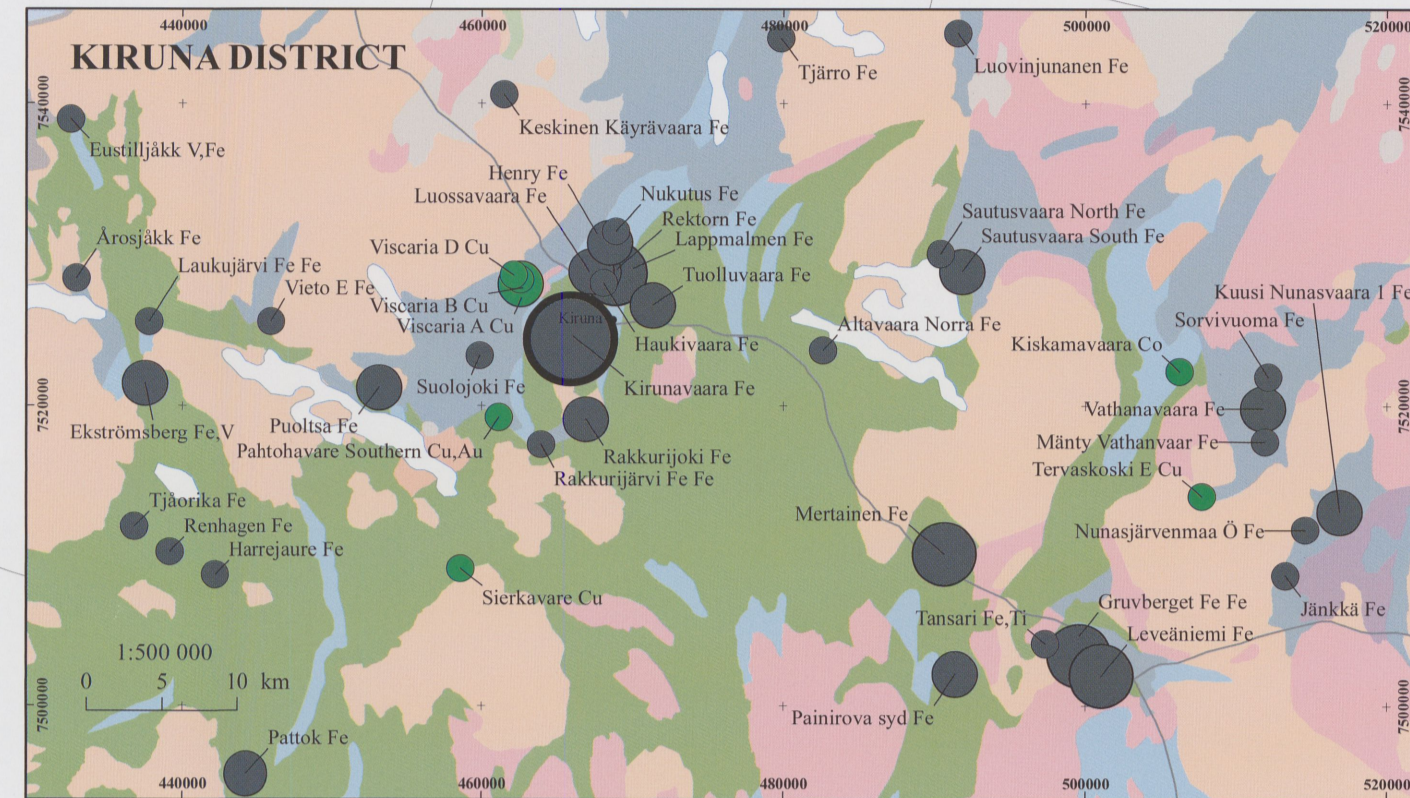


Metallic Mineral Deposit Map of the Fennoscandian Shield

1:2 000 000



- Precious metals: Ag, Au, Pd, Pt, Rh
- Base metals: Co, Cu, Ni, Pb, Zn
- Ferrous metals: Cr, Fe, Mn, Ti, V
- Special metals: Be, Li, Mo, Nb, REE, Sc, Sn, Ta, W, Zr
- Energy metals: U, Th

Bibliographic reference:
 Eilu, P., Halberg, A., Bergman, T., Isaksson, V., Komarov, M., Kravchenko, S., Kuvshinov, V., Lampa, E., Litvinenko, V., Nurmi, P.A., Olen, M., Philippov, N., Saveliev, J.S., Sjöström, V. and Tontti, M. (eds.) 2008. Metallic Mineral Deposit Map of the Fennoscandian Shield, 1:2 000 000. Geological Survey of Finland, Geological Survey of Norway, Geological Survey of Sweden, The Federal Agency of Use of Mineral Resources of the Ministry of Natural Resources of the Russian Federation.

Geological Survey of Finland, Espoo, Finland, www.gtk.fi
 Geological Survey of Sweden, Uppsala, Sweden, www.sgc.se
 SC Mineral, St. Petersburg, Russia, www.sc-mineral.ru
 VSEGEI, St. Petersburg, Russia, www.vsegei.ru
 Geological Survey of Norway, Trondheim, Norway, www.ngu.no

Metallic mineral deposit data from Fennoscandia Ore Deposit Database (<http://eng.gtk.fi/exploration/Finland/FOD/>)

Geological and topographical base map modified from:
 Koistinen T., Skjolden M.B., Rogachev V., Nordquist B., Wemmerström M. and Korhonen J. 2001. Geological Map of the Fennoscandian Shield, scale 1:2 000 000. Geological Surveys of Finland, Norway and Sweden and the North-West Department of Natural Resources of the Russian Federation.

Scale: 1:2 000 000
 WGS 1984 UTM Zone 34N
 Projection: Transverse_Mercator, False Easting: 500000.000000, False Northing: 0.000000, Central Meridian: 21.000000, Scale Factor: 0.999600, Latitude Of Origin: 0.000000, Linear Unit: Meter, GCS: WGS 1984, Datum: D: WGS 1984

ISBN 978-952-217-408-8
 Document (c) National Land Survey of Finland, Permi 152MM/08
 Printed for Geological Survey of Finland by Affetto Finland Oy, Helsinki, Finland

- Meteorite impact rocks and sites**
- Impact melt, impact breccia/Impact site
- Neoproterozoic (and possibly Mesoproterozoic) and Phanerozoic rocks outside the Caledonian orogenic belt**
- Permo-Carboniferous igneous rocks including the Oslo rift
 - Vendian to Cambrian and Devonian alkaline igneous rocks
 - Upper Riphean (and possibly older) Vendian and Phanerozoic sedimentary rocks
- Caledonian orogenic belt**
- Lower Palaeozoic intrusive rocks in exotic and outboard terranes
 - Supracrustal rocks in exotic and outboard terranes
 - Neoproterozoic and Palaeozoic (Cambrian to Devonian) rocks along the shortened Baltoscandian continental margin
 - Proterozoic rocks (c. 2.30-0.90 Ga) along the shortened Baltoscandian continental margin
 - Archaean rocks along the shortened Baltoscandian continental margin
- Neoproterozoic rocks**
- Granite, pegmatite, syenitoid, anorthositic, gabbroid (c. 1.00-0.92 Ga)
- Neoproterozoic to Palaeoproterozoic (1.71-1.61 Ga and possibly older) rocks**
- Granitoid, syenitoid, dioritoid, doleritic and metamorphic equivalents (in part c. 1.27-1.00 Ga)
 - Granite, syenitoid, dioritoid, gabbroid and metamorphic equivalents (c. 1.46-1.30 Ga)
 - Supracrustal rocks (younger than c. 1.50 Ga), predominantly metasedimentary
 - Granitoid, syenitoid, dioritoid, gabbroid and metamorphic equivalents (in part c. 1.61-1.56 Ga)
 - Supracrustal rocks (in part c. 1.66-1.60 Ga)
 - Granite, syenitoid, dioritoid, gabbroid and metamorphic equivalents (c. 1.65-1.47 Ga)
 - Granitoid, syenitoid, dioritoid, gabbroid and metamorphic equivalents, supracrustal rocks (c. 1.71-1.66 Ga and possibly older)
- Palaeoproterozoic rocks (1.56-1.75 Ga)**
- Granite, pegmatite (c. 1.85-1.75 Ga)
 - Granite, syenitoid, dioritoid and gabbroid, supracrustal rocks (c. 1.86-1.84 and c. 1.82-1.76 Ga)
 - Granitoid, syenitoid, dioritoid, gabbroid and metamorphic equivalents, metacarbonate rocks (c. 1.96-1.80 Ga, in part as young as c. 1.84 Ga)
 - Mafic rocks (c. 1.96-1.75 Ga)
 - Other supracrustal rocks (c. 1.96-1.75 Ga)
- Fennoscandian orogenic belt**
- Palaeoproterozoic rocks in Lapland-West Sea granulite belt
 - Granulitic rock, amphibolite, anorthositic (rocks of uncertain age, in time range 2.30-1.90 Ga)
- Palaeoproterozoic rocks (2.50-1.96 Ga)**
- Intrusive rocks, predominantly mafic and ultramafic
 - Supracrustal rocks, predominantly mafic/ultramafic metacarbonate and metasedimentary rocks
- Archaean rocks**
- Intrusive rocks (c. 3.20-2.50 Ga and possibly older), orthogneiss, migmatitic gneiss
 - Supracrustal rocks (c. 3.20-2.75 Ga and possibly older)