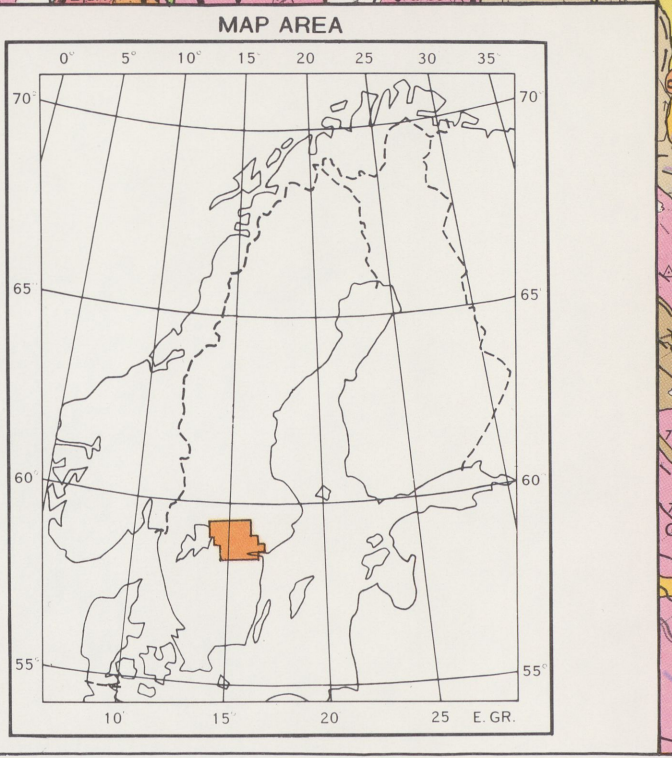
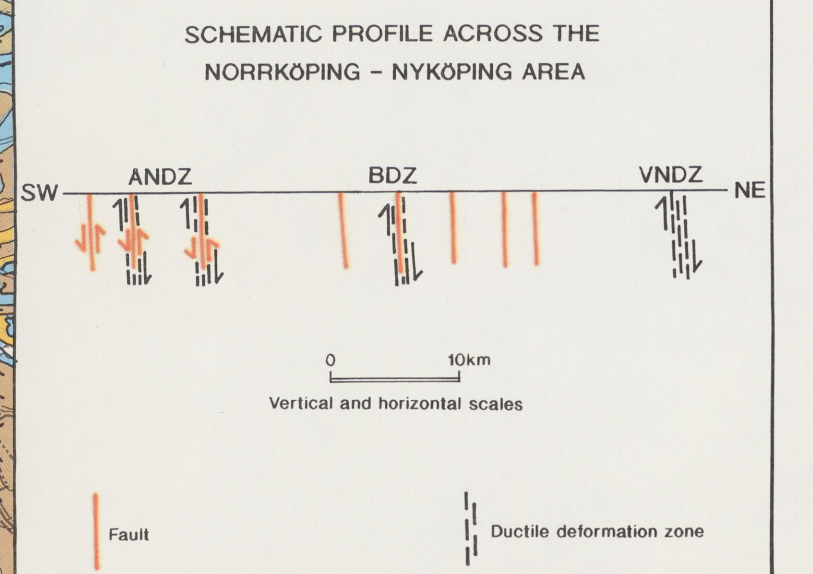
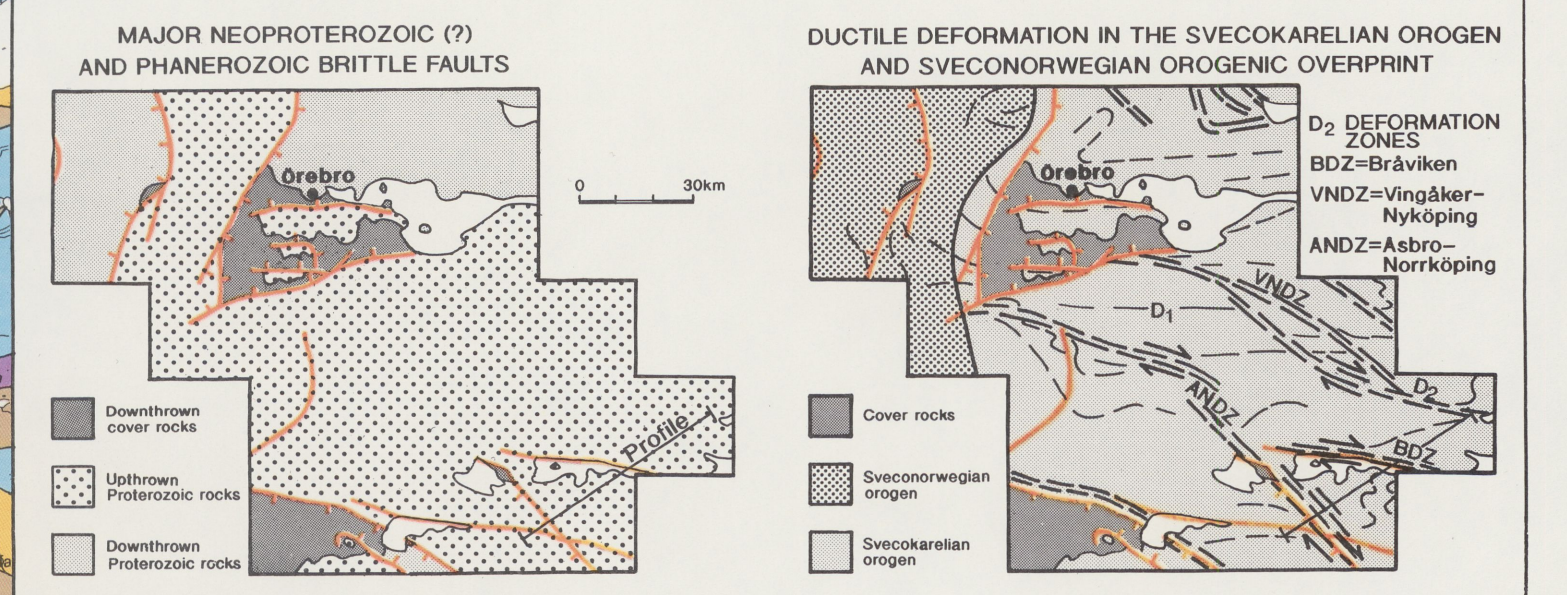
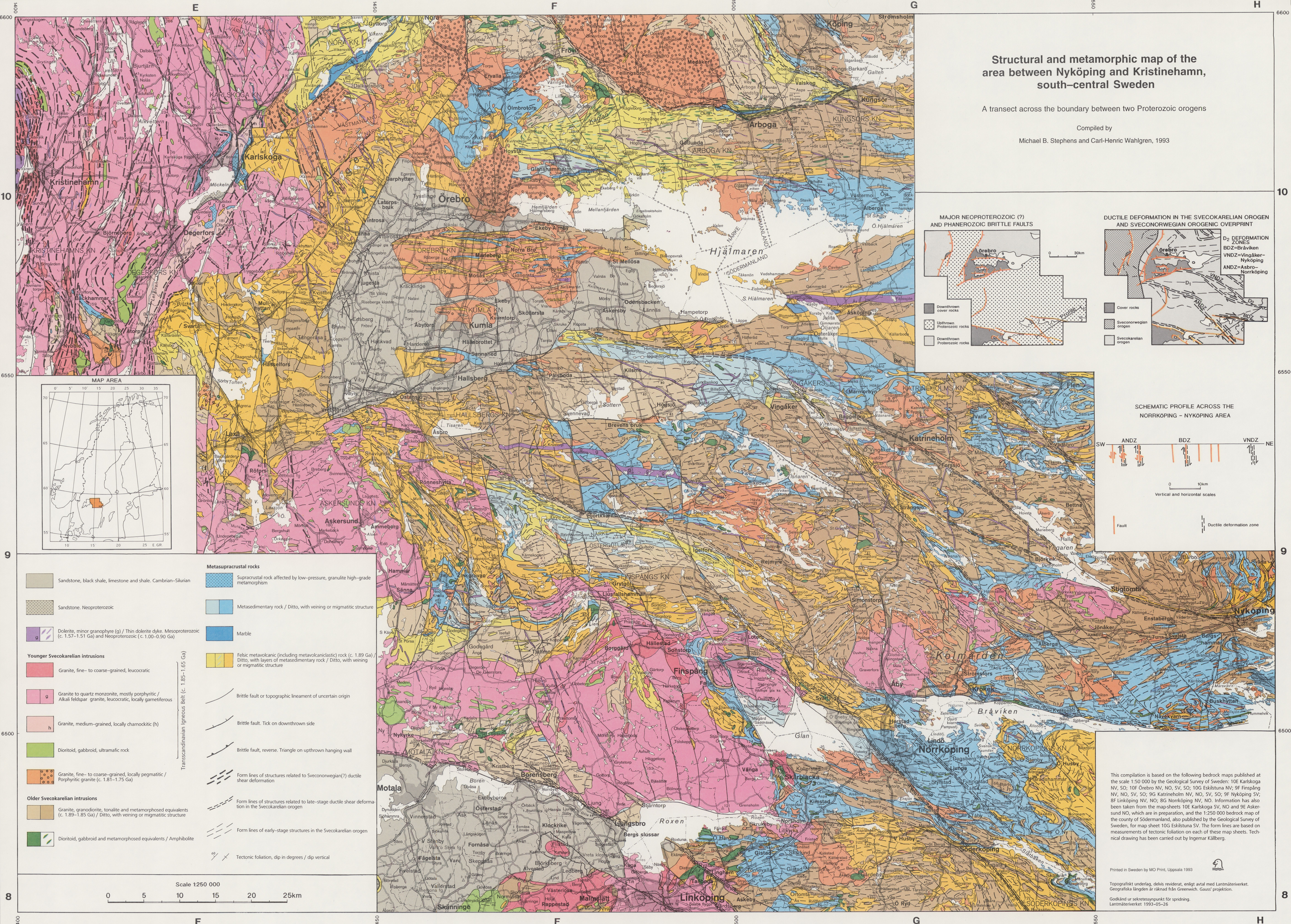


Structural and metamorphic map of the area between Nyköping and Kristinehamn, south-central Sweden

A transect across the boundary between two Proterozoic orogens

Compiled by
Michael B. Stephens and Carl-Henric Wahlgrén, 1993



<p>Metasupracrustal rocks</p> <ul style="list-style-type: none"> Sandstone, black shale, limestone and shale. Cambrian-Silurian Sandstone. Neoproterozoic Dolerite, minor granophyre (g) / Thin dolerite dyke. Mesoproterozoic (c. 1.57-1.51 Ga) and Neoproterozoic (c. 1.00-0.90 Ga) <p>Younger Sveconekarelian intrusions</p> <ul style="list-style-type: none"> Granite, fine- to coarse-grained, leucocratic Granite to quartz monzonite, mostly porphyritic / Alkali feldspar granite, leucocratic, locally garnetiferous Granite, medium-grained, locally charnockitic (h) Dioritoid, gabbro, ultramafic rock Granite, fine- to coarse-grained, locally pegmaticic / Porphyritic granite (c. 1.81-1.75 Ga) <p>Older Sveconekarelian intrusions</p> <ul style="list-style-type: none"> Granite, granodiorite, tonalite and metamorphosed equivalents (c. 1.89-1.85 Ga) / Ditto, with veining or migmatitic structure Dioritoid, gabbro and metamorphosed equivalents / Amphibolite 	<p>Supracrustal rock affected by low-pressure, granulite high-grade metamorphism</p> <ul style="list-style-type: none"> Metasedimentary rock / Ditto, with veining or migmatitic structure Marble Felsic metavolcanic (including metavolcaniclastic) rock (c. 1.89 Ga) / Ditto, with layers of metasedimentary rock / Ditto, with veining or migmatitic structure <p>Structural symbols</p> <ul style="list-style-type: none"> Brittle fault or topographic lineament of uncertain origin Brittle fault. Tick on downthrown side Brittle fault, reverse. Triangle on upthrown hanging wall Form lines of structures related to Sveconorwegian(?) ductile shear deformation Form lines of structures related to late-stage ductile shear deformation in the Sveconekarelian orogen Form lines of early-stage structures in the Sveconekarelian orogen Tectonic foliation, dip in degrees / dip vertical
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This compilation is based on the following bedrock maps published at the scale 1:50 000 by the Geological Survey of Sweden: 10E Karlskoga NV, SO; 10F Örebro NV, NO, SV, SO; 10G Eskilstuna NV; 9F Finspång NV, NO, SV, SO; 9G Katrineholm NV, NO, SV, SO; 9F Nyköping SV; 8F Linköping NV, NO; 8G Norrköping NV, NO. Information has also been taken from the map-sheets 10E Karlskoga SV, NO and 9E Askersund NO, which are in preparation, and the 1:250 000 bedrock map of the county of Södermanland, also published by the Geological Survey of Sweden, for map sheet 10G Eskilstuna SV. The form lines are based on measurements of tectonic foliation on each of these map sheets. Technical drawing has been carried out by Ingemar Källberg.

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