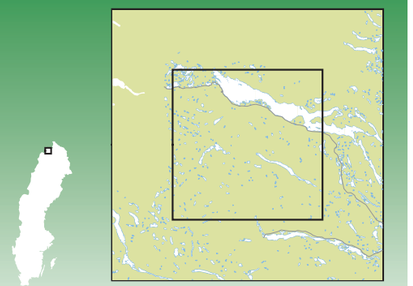
Bedrock map

1:250 000



SGU
Sveriges geologiska undersökning
Geological Survey of Sweden

The map shows a generalized view of the bedrock distribution. Observations of rock types and age relations are performed on outcrops. The composition of bedrock that is covered by unconsolidated sediments is interpreted from observations on nearby outcrops, geophysical measurements and, where applicable, from drill core analyses or diggings.

Areas too small to show on the map are represented as dots or line objects. Accuracy in the position is normally better than 100 m for observations. For interpreted phenomena, e.g. rock type boundaries, the accuracy may be much lower.

Additional information is stored in SGU's database, e.g. detailed information about mineralizations or the bedrock's mineral content, chemical composition, petrophysical characteristics or natural radioactive radiation, and can be ordered from SGU.

- Structural form line, tectonic foliation
- Ductile shear zone
- Brittle deformation zone (fault, fracture, fracture zone)
- Geophysical connexion
- Structural form line, bedding
- Ultrabasic, basic and intermediate volcanic rock (basalt, andesite etc.)
- Carbonate-rich sedimentary rock (limestone, dolomite, marble etc.)
- Quartz-feldspar-rich sedimentary rock (sandstone, greywacke etc.)
- Mica-rich metamorphic rock (phyllite, schist, paragneiss etc.)
- Ultrabasic, basic and intermediate metamorphic rock (amphibolite, eclogite etc.)
- Quartz-feldspar-rich sedimentary rock (sandstone, greywacke etc.)
- Mica-rich sedimentary rock (shale, siltstone etc.)
- Quartz-feldspar-rich metamorphic rock (gneiss, granitic gneiss etc.)
- Ultrabasic, basic and intermediate metamorphic rock (amphibolite, eclogite etc.)
- Bedrock observations

Mainly bedded rocks in the youngest bedrock unit (850-34 million years)

- Quartz-feldspar-rich sedimentary rock (sandstone, greywacke etc.)

Schistose and partly gneissic rocks in the Caledonian orogen (2850-416 million years)

- Acidic intrusive rock (granite, granodiorite, monzonite etc.)
- Ultrabasic, basic and intermediate intrusive rock (gabbro, diorite, dolerite etc.)
- Ultrabasic, basic and intermediate volcanic rock (basalt, andesite etc.)
- Ultrabasic, basic and intermediate rock , unspecified origin
- Calc-silicate rock
- Carbonate-rich sedimentary rock (limestone, dolomite, marble etc.)
- Quartz-feldspar-rich sedimentary rock (sandstone, greywacke etc.)
- Quartz-feldspar-rich metamorphic rock (gneiss, granitic gneiss etc.). Porphyritic or augen-bearing
- Mica-rich metamorphic rock (phyllite, schist, paragneiss etc.)
- Ultrabasic, basic and intermediate metamorphic rock (amphibolite, eclogite etc.)
- Metamorphic rock, unspecified composition (diatexitic migmatite, mylonite, granofels etc.)

Partly gneissic rocks in the Svecokarelian orogen (1880-1740 million years)

- Acidic intrusive rock (granite, granodiorite, monzonite etc.)
- Ultrabasic, basic and intermediate intrusive rock (gabbro, diorite, dolerite etc.)
- Acidic volcanic rock (rhyolite, dacite etc.)
- Ultrabasic, basic and intermediate volcanic rock (basalt, andesite etc.)
- Unspecified rock

Mainly gneissic rocks in the Svecokarelian orogen (2850-1870 million years)

- Acidic intrusive rock (granite, granodiorite, monzonite etc.)
- Ultrabasic, basic and intermediate intrusive rock (gabbro, diorite, dolerite etc.)
- Ultrabasic, basic and intermediate volcanic rock (basalt, andesite etc.)

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0 5 10 15 20 25 km

Scale 1:250 000

Topographic background: GSD-General Map
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Grid in black shows coordinates in SWEREF 99 TM.
Grid in brown indicates latitude and longitude in the reference system SWEREF 99.