

VÄRMLANDS GEOLOGI,
betydelsen för Värmland, Sverige och Europa
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PROTEROZOISK VULKANISM
Ca 1900 miljoner år tillbaka

PROTEROZOISK VULKANISM

Legend for geological map:

- Mesozoiska sedimentära bergarter
- Paleozoiska karbonsedimentära bergarter
- Paleozoiska sedimentära bergarter
- Paleozoiska sedimentära bergarter
- Dabas
- Järnisk sandsten
- Yngre granit
- Äldre granit
- Grönsten, amfibolit
- Gneiss, äldre sedimentära bergarter
- Leptit, porfy

Legend for Bergslagen map:

- fault
- Sveonorwegian diabases
- Red biotite granite
- Filipstad granite
- Byfågla Götter-Idarite-Torite-Granite suite
- gray quartz phyllites
- block phyllites
- metabasic sills and dikes
- metabasic lavas
- metatuffites
- marbles
- acid metavolcanics
- Upper Leptite- and Sate Group
- Middle Leptite Group

BERGSLAGENS STRATIGRAFI

UPPER LEPTITE-HÄLLEFLINTA AND SATE GROUP

MIDDLE LEPTITE GROUP

Metavulkanit, s.k. hälleflinta och leptit

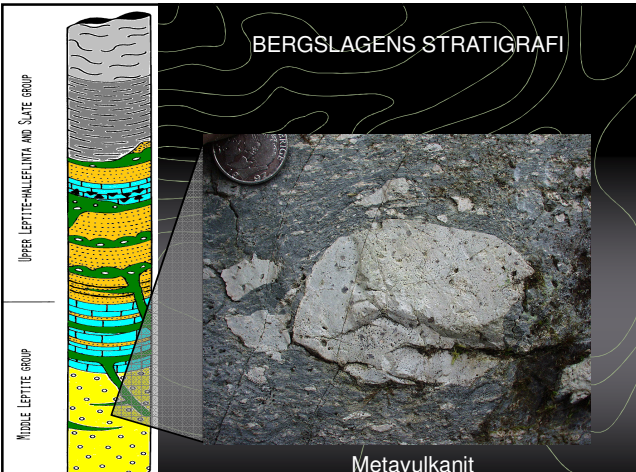
BERGSLAGENS STRATIGRAFI

UPPER LEPTITE-HÄLLEFLINTA AND SATE GROUP

MIDDLE LEPTITE GROUP

Metavulkanit, s.k. flow-top breccia

BERGSLAGENS STRATIGRAFI



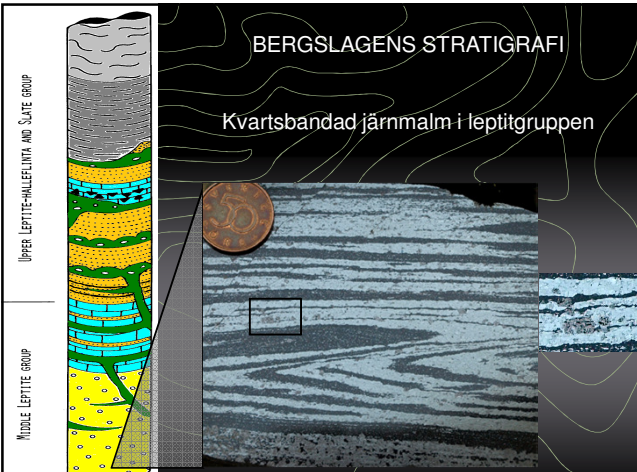
UPPER LEPTITE-HÄLLEFLINTA AND SLATE GROUP
MIDDLE LEPTITE GROUP

Metavulkanit

Detailed description: This slide shows a stratigraphic column on the left with two groups: 'UPPER LEPTITE-HÄLLEFLINTA AND SLATE GROUP' and 'MIDDLE LEPTITE GROUP'. A photograph of a grey, crystalline rock sample is shown on the right, with a coin placed next to it for scale. The sample is identified as 'Metavulkanit'.

BERGSLAGENS STRATIGRAFI

Kvartsbandad järnmalm i leptitgruppen

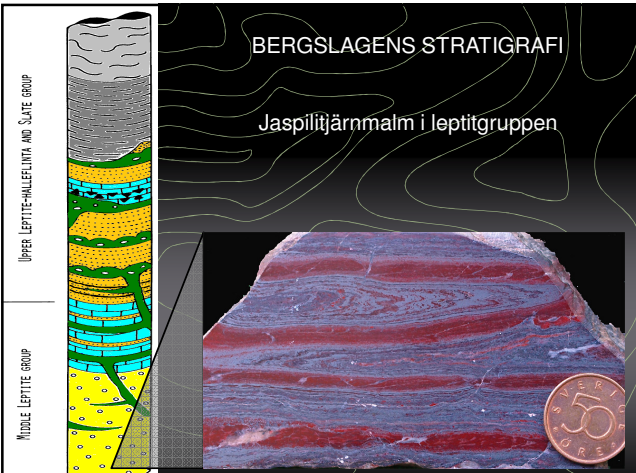


UPPER LEPTITE-HÄLLEFLINTA AND SLATE GROUP
MIDDLE LEPTITE GROUP

Detailed description: This slide features a stratigraphic column on the left. A photograph on the right shows a rock sample with distinct horizontal bands of light and dark grey, identified as 'Kvartsbandad järnmalm i leptitgruppen'. A coin is included for scale.

BERGSLAGENS STRATIGRAFI

Jaspilijärnmalm i leptitgruppen

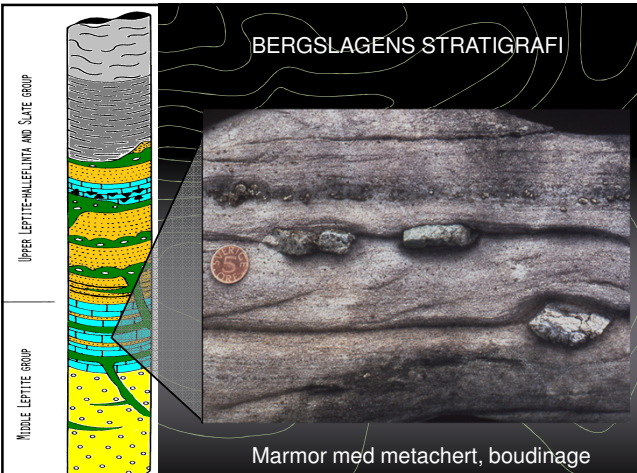


UPPER LEPTITE-HÄLLEFLINTA AND SLATE GROUP
MIDDLE LEPTITE GROUP

Detailed description: This slide shows a stratigraphic column on the left. A photograph on the right displays a rock sample with prominent red and blue wavy bands, identified as 'Jaspilijärnmalm i leptitgruppen'. A coin is placed for scale.

BERGSLAGENS STRATIGRAFI

Marmor med metachert, boudinage



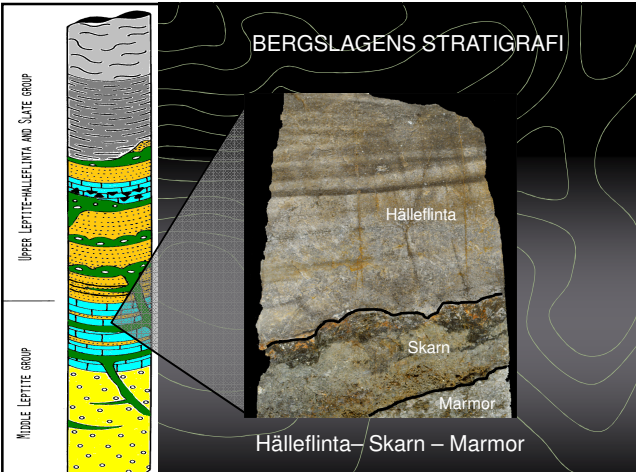
UPPER LEPTITE-HÄLLEFLINTA AND SLATE GROUP
MIDDLE LEPTITE GROUP

Detailed description: This slide includes a stratigraphic column on the left. A photograph on the right shows a grey marble sample with dark, elongated, lens-shaped inclusions (boudinage) of metachert. A coin is used for scale.

BERGSLAGENS STRATIGRAFI

Hälleflinta
Skarn
Marmor

Hälleflinta – Skarn – Marmor



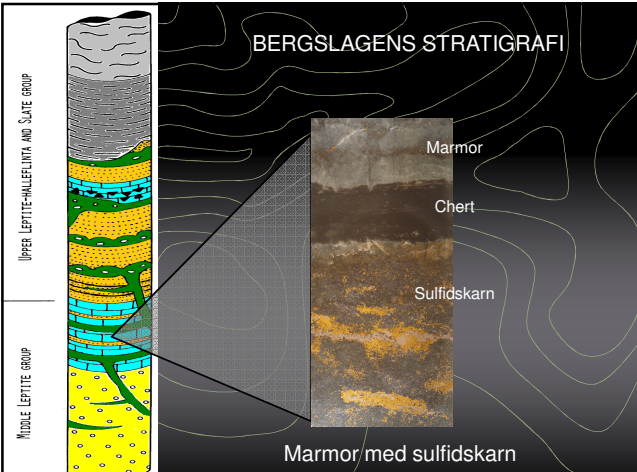
UPPER LEPTITE-HÄLLEFLINTA AND SLATE GROUP
MIDDLE LEPTITE GROUP

Detailed description: This slide shows a stratigraphic column on the left. A photograph on the right shows a rock sample with three distinct layers: a top layer of Hälleflinta (cherty limestone), a middle layer of Skarn, and a bottom layer of Marmor (marble). A coin is included for scale.

BERGSLAGENS STRATIGRAFI

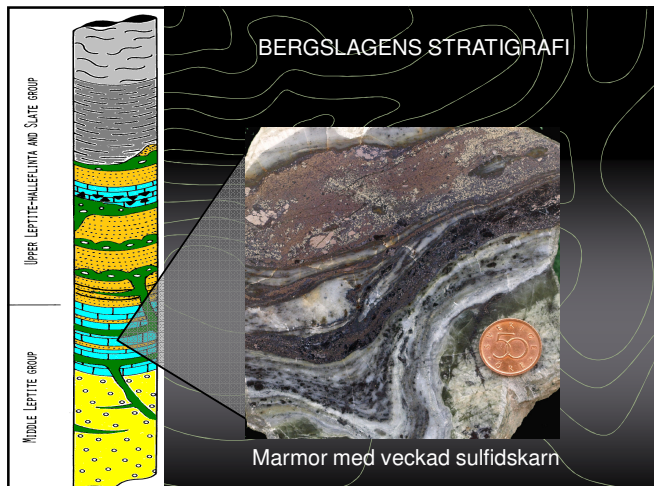
Marmor
Chert
Sulfidskarn

Marmor med sulfidskarn



UPPER LEPTITE-HÄLLEFLINTA AND SLATE GROUP
MIDDLE LEPTITE GROUP

Detailed description: This slide features a stratigraphic column on the left. A photograph on the right shows a rock sample with three layers: Marmor (marble) at the top, Chert in the middle, and Sulfidskarn (sulfide skarn) at the bottom. A coin is used for scale.



von Scheele startade Bergsskolan

.... behov av kompetensförsörjning och utveckling av gruvindustrin och järnbruken.....

FRANZ VON SCHEELE

Grundad 1630

