The Kevitsa Ni-Cu-PGE sulfide deposit, northern Finland

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Large volume mafic-ultramafic magma and sulfide-bearing sedimentary rocks provide the region a great potential for Ni-Cu-PGE sulfide mineralization.
240 Mt  Ni: 0.3%
Cu: 0.41%
Country rocks:
Sedimentary-volcanic formation

Sulfide-bearing black schist
Cross section

Luolavirta et al., 2014
**Mined sequence**

- Central Dunite
- Pyroxenite
- Olivine pyroxenite
- Dunitic inclusions
- Plag. bearing (ol) websterite, gabbronorite and microgabbro
- Marginal (ol) websterite & gabbro
- Footwall Dunite

**Country rock**

- Metavolcanics and sedimentary

**200 m**

**Gabbro**
Pyroxenite

Olivine pyroxenite

Dunitic inclusions

Plag. bearing (ol) websterite, gabbronorite and microgabbro

Marginal (ol) websterite & gabbro

Footwall Dunite

Country rock Metavolcanics and sedimentary

Central Dunite

Mining sequence

200 m
Olivine pyroxenite

Central Dunite

Mining sequence

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*Ol* *Sul* *Cpx*
Luolavirta et al., 2014

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Mining sequence

200 m

(ol) websterite

Luolavirta et al., 2014