Petrophysical Properties of Granite

Intended for Radioactive Waste Stocking

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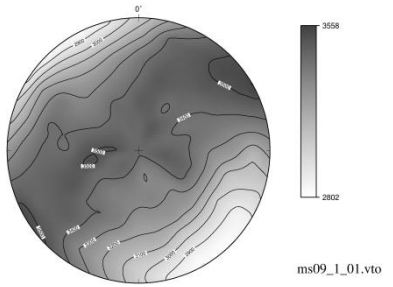
- Porosity; permeability; thermal conductivity; P-wave velocity
  - 20 samples from outcrops and borehole
  - Magmatic structure; fracturing; alteration
  - Quantities inter-relations
- Ultrasonic testing: P-wave velocity
  - Spherical samples d=5 cm
  - 132 directions
  - Confining pressure 400 MPa

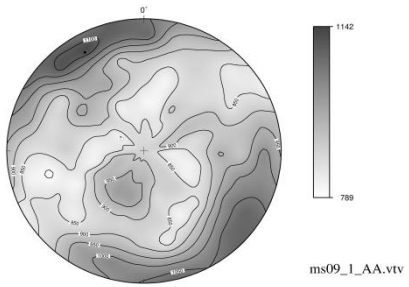
Schlieren-induced anisotropy

Related micropososity



0.1 MPa

…and its closing below depth of cca 270 m



10 MPa - 0.1 MPa