



Potential field interpretation at Archaean - Proterozoic boundary of the Fennoscandian Shield

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Contact zones between Archaean and Proterozoic crust at the Fennoscandian Shield extend generally in SE-NW direction in central and NE parts of the shield. Interpreted by magnetic and gravity anomalies and petrophysical information of rock samples, the overall structure dips to the NE. This has been confirmed by reflection seismic surveys on several crustal scale profiles. The structure is understood to mainly have been formed during the main stages of the Svecofennian orogeny 1.9-1.8 Ga ago.