The Kimberlites and Related Rocks of the Kuruman Kimberlite Province, Kaapvaal Craton South Africa

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Objectives
The Kuruman kimberlite province contains some of the oldest known kimberlites (1-1.5 Ga) and is intruded across the margin of the Archean Kaapvaal craton following a major collisional orogeny (ca. 1.7 Ga). While most kimberlites intrude a subcratonic lithospheric mantle (SCLM) that has undergone multiple episodes of metasomatism, the Kuruman kimberlites may provide a unique opportunity to examine a relatively undisturbed section of the SCLM across an ancient cratonic margin.

Location
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Kimberlite Petrography

Kimberlite Geochemistry - Perovskites

Kimberlite Mineral Geochemistry

Preliminary Conclusions

References


