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**Isotopic and trace element geochemistry of the Seligdar
magnesiocarbonatites (South Yakutia, Russia): Insights regarding
the mantle evolution beneath the Aldan-Stanovoy shield**

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processes, enriched source, Aldan-Stanovoy shield

Abstract

The Paleoproterozoic Seligdar magnesiocarbonatite intrusion of the Aldan-Stanovoy shield in
Russia underwent extensive postmagmatic hydrothermal alteration and metamorphic events.
This study comprises new isotopic (Sr, Nd, C and O) data, whole-rock major and trace element
compositions and trace element characteristics of the major minerals to gain a better

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