

Late cenozoic igneous rocks of the Krilion Peninsular (Sakhalin Island)

V. M. Grannik

*Institute of Marine Geology and Geophysics, FEB RAS,
Yuzhno-Sakhalinsk, Russia*

Abstract

In the Upper Miocene-Pliocene Aniva Formation of the Krilion Peninsula, a series of calc-alkaline and tholeiitic oceanic and continental igneous rocks are established, including such exotic rocks as continental calc-alkaline and tholeiitic adakites, adakite-like rocks, and ocean basalts. The composition, structure and age of the volcanic-sedimentary deposits of the Aniva Formation are characterized. The petrological-geochemical characteristics of igneous rocks are given, geodynamic conditions and adakite-like rocks has been established are justified.

Keywords

sedimentation, magmatism, adakites, tholeiitic, calc-alkaline rocks,
petrology, geochemistry, geodynamic conditions

References



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