

CALCITE FROM DALNEGORSK: Review of 2003–2008 Findings

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Photo 1. Growth of **calcite** crystals of prismatic habit, 4.5 x 1.5 cm. Boron deposit, 2008

Photo: Michael B. Leybov

Specimens: Victor V. Ponomarenko



Dalnegorsk location map and scheme of Dalnegorsk ore field, Primorie Krai, Far East, Russia

Calcite is one of the most famous collection minerals from Dalnegorsk. It yielded numerous world-class specimens of supreme quality

In this article we will touch on this inexhaustible subject describing only specimens in Victor Ponomarenko collection.

In the central part of the famous Dalnegorsk ore field, located in the Primorie Krai in Far East, Russia, are the ten polymetallic deposits and one boron deposit. They are all related to the limestone skarns, mostly localized at the contact of limestone with sandstone and shales of the Tetyukhe Formation, as well as in volcanogenic quartz porphyry and andesite. Formation of skarns and ores took place mostly via replacement of carbonate rocks. Endoskarns and skarnoids after aluminosilicate rocks are much more rare. At the moment, seven out of ten polymetallic deposits are not in production. These are Vtoroye Sovetskoye, Svetlyi Otvod, Malyshetskoye, Gorbushinskoye, Tigrovoye, Pervoye Sovetskoye, and Sentyabrskiy Otvod. Three deposits are being mined underground. These are Verkhneye (located on the left bank of the River Inza, which is a left tributary of the River Rudnaya), Nikolayevskoye (located in the

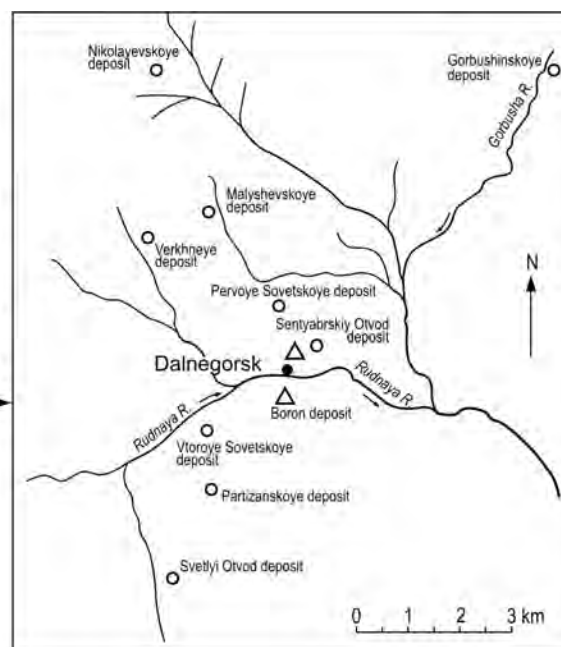


Photo 4. **Calcite**, 9.5 x 15 cm. Verkhneye deposit, 2003

