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ВЕЗУВИАНЫ ОЗЕРСКОГО МАССИВА (ЗАПАДНОЕ ПРИБАЙКАЛЬЕ)

V. B. SVELJEVA, T. I. MEDVEDEVA, N. V. NARTOVA, V. A. RUSAKOVA. VESUVIANITES OF THE OZERSKY GABBROID MASSIF (WESTERN BAIKAL REGION)

There are three types of vesuvianite mineralization at the Ozersky massif: in melilitic hornfels, in spinel-fassaite and in pyroxene-garnet-wollastonite skarns. Apomelilitic vesuvianite is distinguished by greater amount of Fe^{3+} and lesser quantity of Al. Vesuvianite from skarn has higher MgO content. In all their varieties contents of Li, Be, Sn, Cu and other trace elements are extremely low. The substitution of melilite by vesuvianite was accompanied by Si, Ti, Fe supply and removal of Al and Na. Vesuvianite formation in hornfels has taken place with the CO_2 pressure non exceeding 50 bar at the temperature of 600—650 °C.