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IN HEAVY CONCENTRATE HALOS OF THE OL'KHOVAYA 1ST RIVER
(KAMCHATSKY CAPE, EAST KAMCHATKA)

Multiple native metals (Pb,Sn,Bi,Cu) and intermetallic compounds of variable composition (Au,Pb), (Au,Ag,Pb,Sb), (Pb,Sb), (Pb,Sn) and (Au,Ag,Pb,Sn) have been revealed in the gold placer and heavy concentrate halos along the Ol'khovaya 1st river valley (Kamchatsky Cape). Interrelations (intergrowths, inclusions) of these metals and intermetallic compounds with gold and host rock minerals show that they have natural origin and are related genetically to hydrothermal-metasomatic alterations of the Kamchatsky Cape hyperbasite massif.

Key words: native metals, intermetallic compounds, metasomatites, hyperbasites, Kamchatsky Cape.