

PYRITE FRAMBOIDS IN CARBONACEOUS ROCKS OF SMAGIN ASSOCIATION IN THE KAMCHATSKY MYS PENINSULA

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The paper presents the detailed description of pyrite morphology in thin carbonaceous layers of the Smagin rock association, the Kamchatsky Mys Peninsula, Eastern Kamchatka, with prevailing framboids among them. Pyrite was formed during diagenesis due to bacterial sulphate reduction under euxinic conditions. Its aggregates associate with organic remains. The investigation showed that radiolaria is replaced by pyrite. The authors suggest a relation between platinum accumulation in carbonaceous beds and formation of pyrite framboids.

Keywords: pyrite, framboids, carbonaceous rocks, platinum group elements.