

VOLCANOGENIC GOLD PLACERS

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Volcanogenic placers are the placers which forming is closely linked with volcanic processes. Classification signs of the genetic type are: 1) cyclic recurrence - the number of the placer layers is equal to the number of the volcanic cycles; 2) the position within the cycle - volcanogenic placer's forming takes place during the short period of disturbed balance of the volcanic system; 3) the position inside the structurally organized and tectonically restricted volume of the volcanic structure - the placers deposit beneath the explosion breccia of the volcanic dome at the paleosurface of the unconformity; 4) the local control of the paleoplacers distribution by the arc and linear faults within the volcanic framework; 5) the high power consumption of the placer forming, the phenomenon manifests itself in well-rolled pebbles, well-sized gold-rich sediments and relatively small thickness of the enrichment horizons.

During the Precambrian biogenic gold of the volcanogenic placers was sequentially added by clastogenic one. The clastogenic gold dominates in the Phanerozoic placers.