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Geological Features of Landslide-Accumulation Ore of the Nibao Gold Deposit SW Guizhou China

QI Lian-su¹, LIU Jian-Zhong¹, Zhang Ming-min¹, LI Jun-hai¹, He Yan-na¹, Zhang Yingguo¹

¹ 105 Geological party, Bureau of Guizhou Geological Exploration Development, Guiyang, Guizhou. 550018;

[Abstract] A recent synthetical study on the oxidized ore of Nibao gold deposit has revealed its chief forming factor is landslide-accumulation. The oxidized ore forming process resulted from the gravity collapse northwards of the hanging wall of F₄ fault because of the uplift of Erlongqiangbao anticline. The ore dilution occurs in mixing up the ore with the wall rock during the collapse, when mixed ores were cracked et expanded otherwise, its porosity and permeability increasing, becoming the easily dressing - smelting ores by the decomposition of gold-bearing arsenic minerals in supergene environment. To research of the landslide-accumulation orebody detail could augment the utilization of gold resources.

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