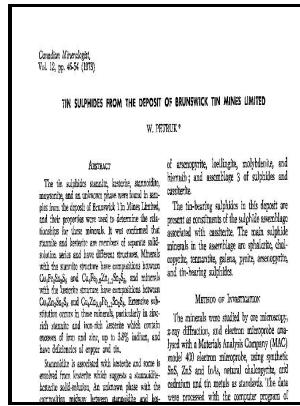


Analysis of the oxidation of chalcopyrite, chalcocite, galena, pyrrhotite, marcasite, and arsenopyrite

U.S. Dept. of the Interior, Bureau of Mines - Analysis of the Oxidation of Chalcopyrite, Chalcocite, Galena, Pyrrhotite, Marcasite and Arsenopyrite.



Description: -

Oxidation.

Pyrites. Analysis of the oxidation of chalcopyrite, chalcocite, galena, pyrrhotite, marcasite, and arsenopyrite

9118.

Report of investigations (United States. Bureau of Mines);

9118

Report of investigations ;Analysis of the oxidation of chalcopyrite, chalcocite, galena, pyrrhotite, marcasite, and arsenopyrite

Notes: Bibliography: p. 16.

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Tags: #Mineralogy #of #Sulfides

Mineralogy of Sulfides

The problematic radionuclide ^{99}Tc was found sorbed to framboidal pyrite that was present in a clay formation that itself was used as host rock for the geological disposal of nuclear waste. This phase undergoes a terminal breakdown reaction between 1.0 and 1.7 GPa, being replaced by a new assemblage of bornite, pyrite, and pyrrhotite.

Reflected Light

Sulfide inclusions in prograde lawsonite and garnet.

Chalcopyrite: Mineral Uses and Properties

Magnetite with sulfides occurs in deposits generally classified as of magmatic, pyrometasomatic, and hypothermal origin.

Reflected Light

The prospect location is at the top of hill 1810 and centered on the Main Vein which trends north-northeast for approximately 600 meters. Streak Greenish black Luster Metallic Diaphaneity Opaque Cleavage Poor Mohs Hardness 3. PDF 555 kb Cite this article Voute, F.

Honker Prospect, Kaiyuh Mining District, Yukon

Chalcopyrite: It is brassy to golden yellowish in color. Superstructures within the pyrrhotite family arise from vacancy ordering in layers parallel to the basal plane Fig.

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