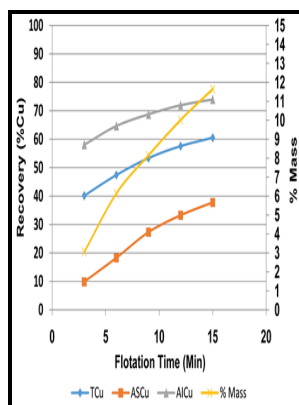# Flotation Responses of Two Duluth Complex Copper-Nickel Ores.

s.n - PolyMet Mine

Description: -

-Flotation Responses of Two Duluth Complex Copper-Nickel Ores.

-

Information circular (United States. Bureau of Mines) -- 7914
Information circular (United States. Bureau of Mines) -- 6346
Report of investigations (United States. Bureau of Mines) -- 8756
Report of investigations (United States. Bureau of Mines) -- 8580
Report of investigations (United States. Bureau of Mines) --
8509Flotation Responses of Two Duluth Complex Copper-Nickel
Ores.
Notes: 1
This edition was published in 1981

Filesize: 15.106 MB

Tags: #US4283017A

By

Bench-scale metallurgical work will seek to optimize flotation techniques for the Birch Lake material and get an initial handle on the flotation behaviour of material from Maturi, as well as test the Platsol process Polymet is using at NorthMet.

Copper

The froth should first be reground to a particle size such that at least about 85% is minus 400 TSS.

PolyMet Mine

Composite ilmenite-magnetite grains are frequently associated with, and even adjacent to, sulfide grains. The Duluth Complex is considered one of the biggest copper-nickel deposits in the world.

【grinding ball for copper and nickel ore】

Pyrrhotite inverts to hexagonal superstructure pyrrhotite at 320° C; cubic cubanite inverts at about 210° C to orthorhombic cubanite; hexagonal superstructure pyrrhotite inverts at 139° C to hexagonal super-structure low-temperature pyrrhotite and exsolves hexagonal troilite. Over the next two decades, exploratory studies and drilling identified large deposits of potentially minable low-grade ore deposits. A finer counting grid 5,000 to 10,000 counts per section was used than that for the thin sections.

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All were big; all were low-grade; and none went into production.

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- Defending standardized testing
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