TELLUROBISMUTHITE

$\text{Bi}_2\text{Te}_3$

An uncommon telluride mineral occurring in certain hydrothermal gold deposits. Northern Peninsula.

**Marquette County:** 1. Gold Bluff prospect, SE ¼ section 28, T49N, R27W: Tellurobismuthite (verified by X-ray diffraction and electron microprobe analysis) occurs as small (generally less than 1 mm) grains associated with native gold, tsumoite, kochkarite, hessite, volynskite, and pyrite in a quartz vein. For a discussion of the geology of this deposit, see Quigley and Mahin (1999). This property is currently under lease by Minerals Processing Corporation, and collecting without permission is prohibited. 2. Michigan mine, NE ¼ section 35, T48N, R28W: Noted as a single <1 mm grain in quartz associated with galena and an unidentified Bi-Pb-Te-S mineral (q.v.). Identified by qualitative energy dispersion X-ray spectrometry.