**JAROSITE**

KFe₃(SO₄)₂(OH)₆

Jarosite is a relatively common oxidation product of iron-bearing sulfide minerals such as pyrite. It often occurs as ocherous yellow-brown coatings with goethite, with which it is easily confused. Northern Peninsula.

**Baraga County:** As brown coatings on ferricrete at the “Section 23” silver prospect. Verified by energy dispersion X-ray spectroscopy.

**Marquette County:** 1. Jarosite occurs as yellow-brown powdery coatings with goethite in ferricrete boulders exposed in a gravel pit in the SE ¼ NE ¼ section 23, T47N, R29W, about 4 km south of Humbolt. Verified by X-ray diffraction and energy dispersion X-ray spectrometry. 2. Humboldt, Bessie mine: As massive, brown, ocherous coatings on iron formation. X-ray powder diffraction patterns of this material match well for natrojarosite, but its energy dispersion X-ray spectrum shows the presence of both substantial Na and K, suggesting it is probably an intermediate solid solution of jarosite-natrojarosite.