

JAROSITE
 $\text{KFe}_3(\text{SO}_4)_2(\text{OH})_6$

Jarosite is a relatively common oxidation product of iron-bearing sulfide minerals such as pyrite. It often occurs as ochreous 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 $\frac{1}{4}$ NE $\frac{1}{4}$ 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, ochreous 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.

UPDATE FROM: Robinson, G.W., and Carlson, S.M., 2013, Mineralogy of Michigan Update: published online by A.E. Seaman Mineral Museum, Houghton, MI, 46p.