

CUBANITE



A relatively uncommon associate in massive sulfide (pyrrhotite-pentlandite) deposits, in pyrometasomatic deposits, and in a few high-temperature gold-bearing quartz veins. Rarely an ore mineral. Northern Peninsula.

Marquette County: 1. Yellow Dog Peridotite body, sections 11 and 12, T50N, R29W in the northern part of the county: Cubanite was first reported from Michigan by Klasner et al. (1979) as a minor constituent of the accessory sulfide assemblage of the Yellow Dog Peridotite. Associates are magnetite, pyrrhotite (q.v.), pentlandite (q.v.), chalcopyrite (q.v.) (major), pyrite (minor), marcasite, covellite, bornite, and mackinawite (trace). Fine lamellae of chalcopyrite striate cubanite, some of which forms leaflike blades in pyrrhotite. Cubanite also may have small inclusions of mackinawite. See augite, enstatite, and olivine. **2.** Ishpeming Greenstone belt: Cubanite also has been reported as a minor phase in the opaque mineral assemblage of gabbro sills and dikes that cut the Lighthouse Point Basalt (Johnson et al., 1991).

FROM: Robinson, G.W., 2004 Mineralogy of Michigan by E.W. Heinrich updated and revised: published by A.E. Seaman Mineral Museum, Houghton, MI, 252p.

UPDATE

Marquette County: Presque Isle, Marquette: As small, well-formed, tabular, twinned crystals with sphalerite in calcite veins cutting serpentized ultramafic rocks.



A 3 mm twinned crystal of cubanite on sphalerite from Presque Isle, Marquette County. A. E. Seaman Mineral Museum specimen DM 29494, John Jaszczak photograph.

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.