CHALCONATRONITE Na₂Cu(CO₃)₂ • 3 H₂O

A rare supergene mineral. Northern Peninsula.

Houghton County: Centennial mine, 4,200' level. Bright blue crusts associated with calumetite (q.v.) on native copper. Identified by X-ray diffraction (S. A. Williams, written communication, 1987).

Ontonagon County: White Pine mine: As blue alteration crusts on native copper. Verified by X-ray diffraction (T. M. Bee, personal communication, 1999).

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.