EUGENITE

 $Ag_{11}Hg_2$

Eugenite is a very rare mineral found in only a half-dozen places worldwide. Its occurrence in Michigan may be only the second reported for the United States. Northern Peninsula.

Baraga County: Huron River uranium prospect, NW ¹/₄ NW ¹/₄ section 1, T51N, R30W: The mean of six electron microprobe analyses of mercurian silver from this locality (q.v.) yields a composition of Ag_{10.86}Hg_{2.14}, consistent with eugenite, though X-ray confirmation is currently lacking (Olds, 2012).

Menominee County: Aquila Resources, Inc. Back 40 Project, sections 1 and 12, T35N, R29W: Reported as a minor constituent in oxidized massive sulfide (gossan), though X-ray confirmation is lacking (Quigley and Mahin, 2008).

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.