

## **ANTHONYITE**



A rare secondary mineral formed under supergene conditions in native copper lodes. Northern Peninsula.

**Houghton County:** Centennial mine: Delicate, curved lavender prisms up to 0.5 mm long were found with various copper chloride minerals in cavities and fractures in basalt between the 4,000' and 5,000' levels. Associated with anthonyite are fibrous tremolite, quartz, epidote, monazite, copper, cuprite, and paratacamite. Formed by action of chlorine-rich waters on copper with cuprite as an intermediate product (Williams, 1963b).

**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.**