MOLYBDENITE

MoS₂

The only common ore mineral of molybdenum. Molybdenite occurs as an accessory mineral in some granitic pegmatites, greisen and skarn deposits, high-temperature hydrothermal quartz veins and porphyry-type molybdenum deposits. Northern Peninsula.

Dickinson County: Groveland mine, near Randville (Hawke, 1976).

Gogebic County: Newport mine, 28th level: Centimeter-sized tabular hexagonal crystals in an 8 cm wide quartz-microcline pegmatite.

Iron County: Crystal Falls: As rich, platy-to-radial crystal aggregates to 3 cm associated with pale gray quartz and white feldspar, reportedly from an unspecified locality near Crystal Falls (specimen DM 2028, A. E. Seaman Mineral Museum collection, Michigan Technological University).


Ontonagon County: White Pine mine: Occurs in the pyritic zone as thin coatings on slickensided fractures, and as microscopic grains in calcite veinlets next to the fracture (Brown, 1968). A second, more extensive occurrence, also as coatings along slickensided fractures, was encountered in 1976. (R. W. Seisor, written communication, 1977).