

MESOLITE



A relatively uncommon zeolite occurring with other zeolites in vesicles in basalt. Northern Peninsula.

Houghton County: 1. Isle Royale mine, Houghton: As pink, radial sprays filling fractures in basalt (verified by X-ray diffraction and energy dispersion X-ray spectrometry). 2. South Range quarry, near South Range: As multicolored intergrowths with thomsonite, filling amygdules (verified by X-ray diffraction and energy dispersion X-ray spectrometry). 3. Rhode Island mine: Occurrence similar to Isle Royale mine.

Iron County: Section 23, T42N, R34W: Pinkish crystals that show irregular polysynthetic twinning with chlorite are found in vesicles in the Badwater Greenstone (James et al., 1968).

Keweenaw County: 1. Isle Royale: Occurs both as masses of radiating, reddish brown tufts in amygdule fillings in basalt and as beach pebbles. It is associated with thomsonite and copper (Dustin, 1931). 2. Keweenaw Point: Mesolite-thomsonite intergrowths form pinkish-white, radial amygdule fillings in the basalts south of Keweenaw Point (verified by X-ray diffraction and energy dispersion X-ray spectrometry). 3. Ashbed lode, Eagle Harbor: As pinkish-white intergrowths with thomsonite filling amygdules in basalt (verified by X-ray diffraction and energy dispersion X-ray spectrometry). 4. *Lookout Point (Thomsonite Hill)*, Eagle Harbor: As amygdule fillings in basalt with thomsonite (q.v.).

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