

SANIDINE



A high-temperature K-Na feldspar. It occurs chiefly in rhyolites and closely related volcanic rocks. Northern Peninsula.

Dickinson County: Norway mine: As pale pink crystals of “adularia” coating fracture surfaces in iron formation. Verified as high sanidine by X-ray diffraction.

Iron County: Lake Ellen kimberlite, SW ¼ section 27, T44N, R31W: Barian sanidine has been identified as grains up to 1.8 mm across in eclogite xenoliths (McGee and Hearn, 1983). Although the structural state of these feldspars has not been determined, it is probable from comparison with feldspars from other kimberlites and from calculated high temperatures based on the compositions of associated garnet-pyroxene pairs, that they are sanidine rather than orthoclase.

Keweenaw County: Some of the “adularias” of the native copper deposits are highly disordered sanidines (see microcline, Keweenaw County).

Ontonagon County: Bergland Rhyolite: In zoned phenocrysts up to 6.38 mm across (Leonardson, 1966).

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