
Regularly Interstratified Chlorite—Diocahedral Smectite in Dike-Intruded Shales, Montana

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Abstract: Corrensite or ' corrensite-like' minerals occur in dike-intruded shales and siltstones of the Montana Group and Colorado Group (Early Cretaceous) in Western Montana. The < 1 μm size fraction of one specimen of this " corrensite-like" material has been studied in detail. X-ray diffraction data and chemical analysis indicate that this specimen is a regular or nearly regular interstratification of chlorite and *diocahedral* smectite. Also described are other samples, which contain corrensite and additional phases. These samples were taken at several localities where basic dikes have intruded these shales and siltstones.

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