

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Slides showing preliminary geologic maps of the Butte
1° x 2° quadrangle, western Montana

By

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This report is preliminary and has not been reviewed for
conformity with U.S. Geological Survey editorial standards

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This Open-File Report consists of five 35-mm slides that present preliminary geologic data for the Butte 1° x 2° quadrangle, western Montana. The first two slides are a generalized geologic map and explanation compiled by R. G. Schmidt that shows the main assemblages of rock units and major structures in the the Butte 1° x 2° quadrangle. This slide shows Q, Quaternary deposits; T, Tertiary deposits; Mz, Mesozoic formations; Pz, Paleozoic formations; Ym, Missoula Group (Proterozoic Y); Yw, Wallace Formation (Proterozoic Y); Yh, Helena Formation (Proterozoic Y); Yr, Ravalli Group (Proterozoic Y); Tv, Tertiary volcanic rocks; Kv, Cretaceous volcanic rocks; TKi, Tertiary and Cretaceous volcanic rocks; Kr, Cretaceous volcanic rocks; Zd, Proterozoic Z diorite and gabbro. The third slide is a hand-colored version of the Open-File Map of the Butte 1° x 2° quadrangle (Wallace and others, 1981). The fourth slide is a hand-colored version of the explanation for the east part of the Butte 1° x 2° quadrangle (Wallace and others, 1981). The fifth slide is a hand-colored version of the explanation for the west part of the Butte 1° x 2° quadrangle (Wallace and others, 1981). Lettering on the third, fourth, and fifth slides is not legible when projected, but these can be used as a color guide in conjunction with Open-File Map 81-1030 of parts of the Butte 1° x 2° quadrangle (Wallace and others, 1981).

REFERENCE

Wallace, C. A., Schmidt, R. G., Waters, M. R., Lidke, D. J., and French, A. B., 1981, Preliminary geologic map of parts of the Butte 1° x 2° quadrangle, central Montana: U.S. Geological Survey Open-File Report 81-1030.