

RENDZVOUS METAGABRO (PRECAMBRIAN U)—Coarse-grained nonlayered weakly foliated metagabbro, typically with blotchy appearance produced by irregular clots of dark-green hornblende 2 to 5 cm in diameter set in a matrix of light-gray plagioclase. Locally contains layers and inclusions of wallrocks. Pods and lenses of similar metagabbro, probably bounding dikes and sills, are abundant in nearby country rocks

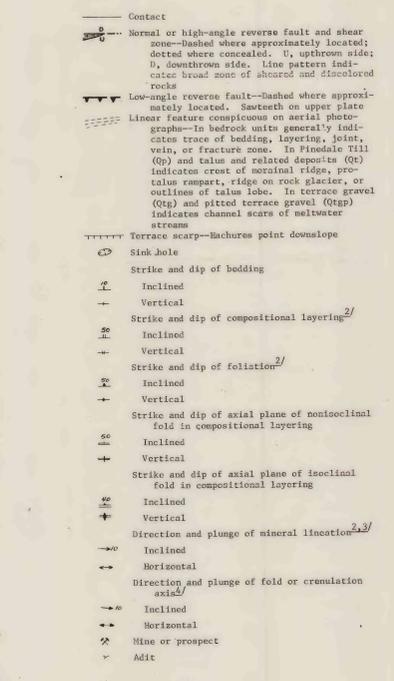
ULTRAMAFIC ROCKS (PRECAMBRIAN W)—Pods and small tabular bodies of serpentinized dunite or peridotite and associated unaltered gabbro, a few meters to a few hundred meters in diameter. Locally contain veins of talc (soapstone) as much as 2 m wide and veins of asbestos with fibers as much as 30 cm long

LAYERED GNEISS AND MIGMATITE (PRECAMBRIAN V)—Complexly interlayered fine- to medium-grained biotite gneiss and schist, quartz-plagioclase gneiss, amphibole gneiss and schist, and amphibolite. Layers range from 1 cm to several meters in thickness; some extend only a few meters while some are continuous for hundreds of meters. Locally sequence contains layers of anthophyllite schist, cordierite gneiss, impure marble, and magnetite iron-formation (I). Adjacent to larger masses of Mount Owen Quartz Monzonite grade into light-colored and less conspicuously layered gneisses that contain abundant microcline porphyroblasts and quartz-feldspathic folia. Open circles indicate presence of medium-gray biotite gneiss containing magnetite aggregates 0.5 to 1 cm in diameter surrounded by bleached haloes lacking biotite (bright-eyed gneiss of Bradley, 1956). Crosses indicate presence of numerous pods and lenses of metagabbro, probably bounding dikes or sills of Rendzvous Metagabbro

AMPHIBOLITE (PRECAMBRIAN U)—Fine- to medium-grained massive to well-foliated and well-laminated dark-green to greenish-gray amphibolite, locally containing porphyroblasts of plagioclase or garnet

WEBB CANYON GNEISS (PRECAMBRIAN W)—Medium- to coarse-grained strongly foliated non-layered biotite- and hornblende-bearing quartz monzonite gneiss, commonly cut by small discordant dikes of hornblende-bearing pegmatite

PORPHYROBLASTIC BIOTITE GNEISS (PRECAMBRIAN U)—Medium-grained strongly foliated and laminated rudely layered to nonlayered medium- to dark-gray biotite gneiss containing conspicuous augen of white microcline 1 to 4 cm in diameter. Locally contains thin layers of amphibolite and biotite gneiss lacking feldspar augen



FOOTNOTES

^{1/}Isotopic ages by Reed and Zartman (1973).

^{2/}Where symbol appears in Mount Owen Quartz Monzonite, measurement was made in an inclusion of country rock too small to depict on map. Where symbol appears in area of outcrop deposits, measurement was made in outcrop too small to depict on map.

^{3/}May be combined with symbols for foliation or compositional layering.

^{4/}May be combined with symbols for axial planes of folds.

REFERENCES CITED

Bradley, C. C., 1956, Pre-Cambrian complex of Grand Teton National Park, p. 38-42, in Wyoming Geol. Assoc. Guidebook, 11th Ann. Field Conf.

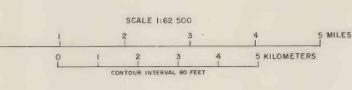
Reed, J. C., Jr., and Love, J. D., 1971, Preliminary geologic map of the Mount Hannon quadrangle, Teton County, Wyoming: U.S. Geol. Survey open-file map, scale 1:24,000.

—, 1972, Preliminary geologic map of the Granite Basin quadrangle, Teton County, Wyoming: U.S. Geol. Survey open-file map, scale 1:24,000.

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GEOLOGIC MAP OF THE PRECAMBRIAN ROCKS OF THE TETON RANGE, WYOMING

By
John C. Reed, Jr.

1973

U.S. Geological Survey
OPEN FILE REPORT
This map is preliminary and has not been edited or reviewed for conformance with Geological Survey standards or nomenclature.

Base by U.S. Geological Survey, 1968
Geology of Precambrian rocks mapped by J. C. Reed, Jr., 1962-1965 and 1970, assisted by J. B. Dieterick (1962), D. D. Stiller (1963), D. A. Coates (1964), and R. W. Blair, Jr. (1970).
Geology of younger rocks and surficial deposits compiled from Schroeder (1972), Reed and Love (1971, 1972) and Reed, Love, and Love (1973)

The author will loan a hand-colored copy on request. Also available from the author is an overlay to this map showing distribution, frequency and orientation of granite and pegmatite dikes in the Precambrian rocks and orientation of granite and pegmatite dikes in the Precambrian rocks and orientation of granite and pegmatite dikes in the Precambrian rocks and orientation of granite and pegmatite dikes in the Precambrian rocks

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