

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

EXPLANATION

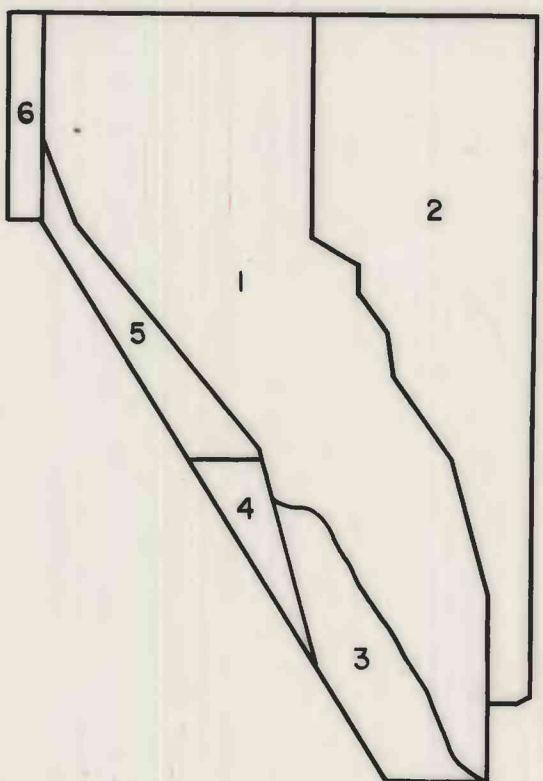
LITHOLOGIC UNITS

- Q Quaternary unconsolidated deposits. Includes alluvium, colluvium, landslide debris, and glacial deposits
- Qtu Tertiary sedimentary rocks and associated Quaternary pediment gravels and colluvium. Tertiary deposits predominantly calcareous conglomerate, tuffaceous siltstone, sandstone, and shale with minor amounts of limestone probably of Miocene-Pliocene age
- Pz, Mz Paleozoic, Mesozoic, and Cenozoic sedimentary rocks undivided. Includes Pennsylvanian Fountain Formation through Miocene North Park Formation
- Cz
- Yd Precambrian diabase dikes. Cut granitoid rocks of the Boswell Creek and Rawah plutons
- Ys Precambrian Sherman Granite (1,410±30 m.y.) of the Boswell Creek pluton. Predominantly coarse-grained granitoid rocks; felsic dikes and quartz veins are abundant locally
- Xr Precambrian granitic rocks (1,710± m.y.) of the Rawah batholith. Predominantly fine- to medium-grained foliated granitoid rocks containing abundant inclusions of metamorphic rocks
- Xm Precambrian (pre-1,710 m.y.) metasedimentary and metavolcanic(?) rocks undivided. Predominantly aluminous biotite schist, quartzo-feldspathic gneiss, and hornblende gneiss

SYMBOLS

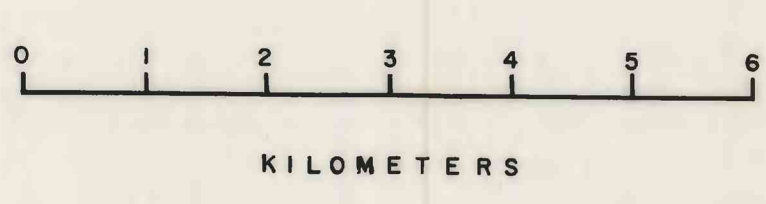
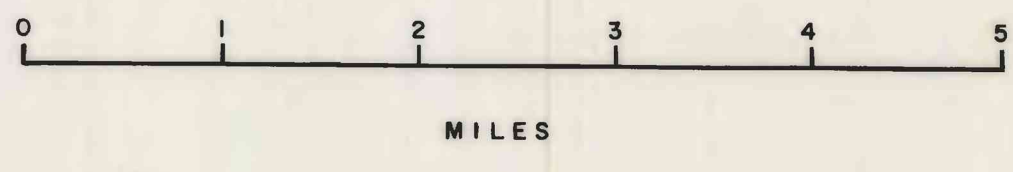
- CONTACT—approximately located (within 200 ft, 61 m)
Diagrammatic contact showing general trend of interfingering units
- FAULT—approximately located, dip and displacement uncertain. Long dashes where probable, short dashes where covered. Ball on downthrown side of normal faults; arrows show relative horizontal movement on apparent strike-slip faults; U (upthrown side) and D (downthrown side) indicate relative displacement on apparent high angle reverse faults
- THRUST FAULT—approximately located, dashed where covered. Sawteeth on upper plate
- PRECAMBRIAN SHEAR ZONE—straight line segments indicate post-Precambrian (Late Cretaceous through Tertiary) reactivation
- SYNCLINE—showing trough line and direction of plunge
- OVERTURNED SYNCLINE—showing trough line and direction of plunge
- ANTICLINE—showing crest line and direction of plunge
- OVERTURNED ANTICLINE—showing crest line and direction of plunge

LOCATION MAP



INDEX OF SOURCES OF GEOLOGIC INFORMATION

1. McCallum, M. E., unpublished U.S. Geological Survey geologic maps of portions of 7 1/2-minute quadrangles: Kings Canyon, Colo.-Wyo.; Old Rosch, Colo.-Wyo.; Eagle Hill, Colo.; Shipman Mountain, Colo.; Glendevy, Colo.; Rawah Lakes, Colo.; Clark Peak, Colo.; Boston Peak, Colo.; and Chambers Lake, Colo.
2. Camp, W. K., 1979, Structure and stratigraphy of the Laramie River Valley, Larimer County, Colorado: Fort Collins, Colorado State University, unpublished M.S. thesis.
Beckwith, R. H., 1942, Structure of the Upper Laramie River Valley, Colorado-Wyoming: Geological Society America Bulletin, v. 53, p. 1491-1532.
3. McCallum, M. E., unpublished reconnaissance geologic maps of portions of the Crazy Mountain, Colo.-Wyo., Glendevy, Colo., and Boston Peak, Colo., 7 1/2-minute quadrangles.
4. Griswold, M. L., 1980, Petrology and structure of the western portion of the Precambrian Rawah batholith, Medicine Bow Mountains, north-central Colorado: Fort Collins, Colorado State University, unpublished M.S. thesis, 248 p.
5. Kinney, D. M., 1970, Preliminary geologic map of the Gould quadrangle, North Park, Jackson County, Colorado: U.S. Geological Survey Open-File map.
6. Kinney, D. M., 1971, Preliminary geologic map of the southwest third of Kings Canyon quadrangle, North Park, Jackson County, Colorado: U.S. Geological Survey Open-File map.
7. Steven, T. A., 1957, Metamorphism and the origin of granitic rocks, Northgate District, Colorado: U.S. Geological Survey Professional Paper 274-N.
8. M. E. McCallum, unpublished U.S. Geological Survey geologic map of the western portion of the Kings Canyon, Colo.-Wyo. 7 1/2-minute quadrangle.



GENERALIZED TECTONIC MAP OF THE MEDICINE BOW MOUNTAINS AND LARAMIE RIVER VALLEY, LARIMER AND JACKSON COUNTIES, COLORADO

By
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1983