



CORRELATION OF MAP UNITS

Qa	Qg	Ql	Qd	QUATERNARY
	Qdo	Qgo		
	Tt			TERTIARY
	Tm			
	Kp			
	Kc			CRETACEOUS
	Kd			
	Jm			JURASSIC
	Xg			
	Xgb			PRECAMBRIAN X
	Xb			

DESCRIPTION OF MAP UNITS

- Qa Alluvium and stream gravels (Holocene and Pleistocene--Bull Lake and younger)
- Qg Outwash, terrace, and pediment gravels (Holocene and Pleistocene--Bull Lake and younger)
- Ql Landslide deposits (Holocene and Pleistocene--Bull Lake and younger)
- Qd Glacial drift (Pleistocene--Pinedale and Bull Lake)
- Qdo Older glacial drift (Pleistocene--pre-Bull Lake)
- Qgo Older outwash and pediment gravels (Pleistocene--pre-Bull Lake)
- Tt Troublesome Formation (Miocene)--Clay, sand, and gravel
- Tm Upper part of Middle Park Formation (Paleocene)--Arkosic sandstone, conglomerate, and shale
- Kp Pierre Shale (Upper Cretaceous)
- Kc Colorado Group (Upper and Lower Cretaceous)--Niobrara Formation and Benton Shale
- Kd Dakota Sandstone (Lower Cretaceous)
- Jm Morrison Formation (Upper Jurassic)
- Xg Granitic rocks of ~1,700 m.y. age group (Precambrian X)
- Xgb Gabbro (Precambrian X)
- Xb Biotite gneiss and migmatite (Precambrian X)

- Contact
- Fault—Dotted where concealed. Bar and ball on downthrown side
- Thrust fault—Sawtooth on upper plate
- SSSS Shear zone
- Strike and dip of beds
- Inclined
- Overturned
- Strike and dip of foliation
- Inclined
- Vertical

REFERENCES

- Holt, H. E., 1962, Geology of the lower Blue River area, Summit and Grand Counties, Colorado: Colorado Univ. Ph. D. thesis, 107 p.
- Howard, J. H., 1966, Structural development of the Williams Range thrust, Colorado: Geol. Soc. America Bull., v. 77, no. 11, p. 1247-1264.
- Taylor, R. B., and Sims, P. K., 1962, Precambrian gabbro in the central Front Range, Colorado, in Short papers in geology, hydrology, and topography: U.S. Geol. Survey Prof. Paper 450-D, p. 118-122.
- Tweto, Ogden, Bryant, Bruce, and Williams, P. E., 1970, Mineral resources of the Gore Range-Eagles Nest Primitive Area and vicinity, Summit and Eagle Counties, Colorado: U.S. Geol. Survey Bull. 1319-C, 127 p.

U.S. Geological Survey
OPEN FILE REPORT

This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

Geology from sources listed in "References" and reconnaissance mapping by Ogden Tweto and John C. Reed, Jr., 1972-73

RECONNAISSANCE GEOLOGIC MAP OF THE UTE PEAK 15-MINUTE QUADRANGLE,
GRAND AND SUMMIT COUNTIES, COLORADO

By
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1973