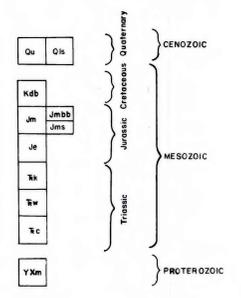


AGE	GROUP	FORMATION	MEMBER	LITHOLOGY	THICKNESS IN FEET	DESCRIPTION
CRETACEOUS		BURRO CANYON & DAKOTA SANDSTONE			50+	Sandstone, conglomerate and minor shale; lignite in Dakota Sandstone.
			Brushy Basin		500	Light to dark grey, pale green, red-brown and purple bentonitic mudstone. Several thin sandstone and multicolor chert-granule to pebble conglomerate lenses are also present and contain rare silicified plant and vertebrate remains.
UPPER JURASSIC		MORRISON FORMATION	Salt Wash		355'	Interlayered sandstone and mudstone; a few limestones present near the base. -Light yellowish-grey to greyish-green or light red sandstone, mostly calcareous, containing lenses of granule conglomerate or clay rip-up conglomerate. Beds are lenticular at the top of the member to laterally continuous at the base. -Light to dark grey, purple or red brown, massive mudstones, interbedded with thin sandstones and siltstones. Concentrations of carbonaceous debris host uranium deposits.
			Tidwell		45'	Flat-bedded, fine-grained sandstone, mudstone, and minor limestone.
			SURMERVILLE FORMATION & ENTRADA SANDSTONE		145'	Salmon red, fine-grained, massive and crossbedded sandstone. Capped by variable thickness (5'-20') of yellow brown, thin bedded, fine-grained sandstone and shale.
			KAYENTA FORMATION		115'	Reddish-brown and dark purple, crossbedded, coarse-grained sandstone. Many lenticular and discontinuous sandstone, conglomerate, and mudstone beds 6" to 1.5' thick.
UPPER TRIASSIC	GLER CANYON	WINGATE SANDSTONE		350'	Pinkish-tuff, fine-grained, massive and crossbedded, cliff-forming sandstone.	
		CHINLE FORMATION		75'	Red and reddish-brown siltstone with lenses of red sandstone, shale and limestone-pebble conglomerate.	
PR		PRECAMBRIAN COMPLEX		Base not exposed		Phyllite, schist, gneiss and foliated granite crosscut by abundant coarse-grained pegmatite dikes.

CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- Qu TERRACE AND ALLUVIAL DEPOSITS, UNDIFFERENTIATED (QUATERNARY)
- Qle LANDSLIDE DEPOSITS (QUATERNARY)
- Kdb BURRO CANYON FORMATION AND DAKOTA SANDSTONE, UNDIFFERENTIATED (CRETACEOUS)
- Jmbb BRUSHY BASIN MEMBER OF THE MORRISON FORMATION (JURASSIC)
- Jms SALT WASH MEMBER AND TIDWELL UNIT OF THE MORRISON FORMATION, UNDIFFERENTIATED (JURASSIC)
- Je ENTRADA SANDSTONE (JURASSIC)
- Jk KAYENTA FORMATION (TRIASSIC)
- Jw WINGATE SANDSTONE (TRIASSIC)
- Jc CHINLE FORMATION (TRIASSIC)
- YXm IGNEOUS AND METAMORPHIC ROCKS, UNDIFFERENTIATED (PROTEROZOIC)

EXPLANATION OF MAP SYMBOLS

- CONTACT--dashed where approximately located or inferred; queried where uncertain
- - - FAULT--showing dip. Dashed where approximately located or inferred. U, upthrown side; D, downthrown side
- MONOCLINE--showing direction and amount of dip; dashed where inferred
- STRIKE AND DIP
- FOLIATION--strike and dip of igneous and metamorphic rock
- CROSS SECTION LINE
- ADIT
- APPROXIMATE BOUNDARY WILDERNESS STUDY AREA

PLATE 1- GEOLOGIC MAP OF BLACK RIDGE CANYON WILDERNESS STUDY AREA, MESA COUNTY, COLORADO