

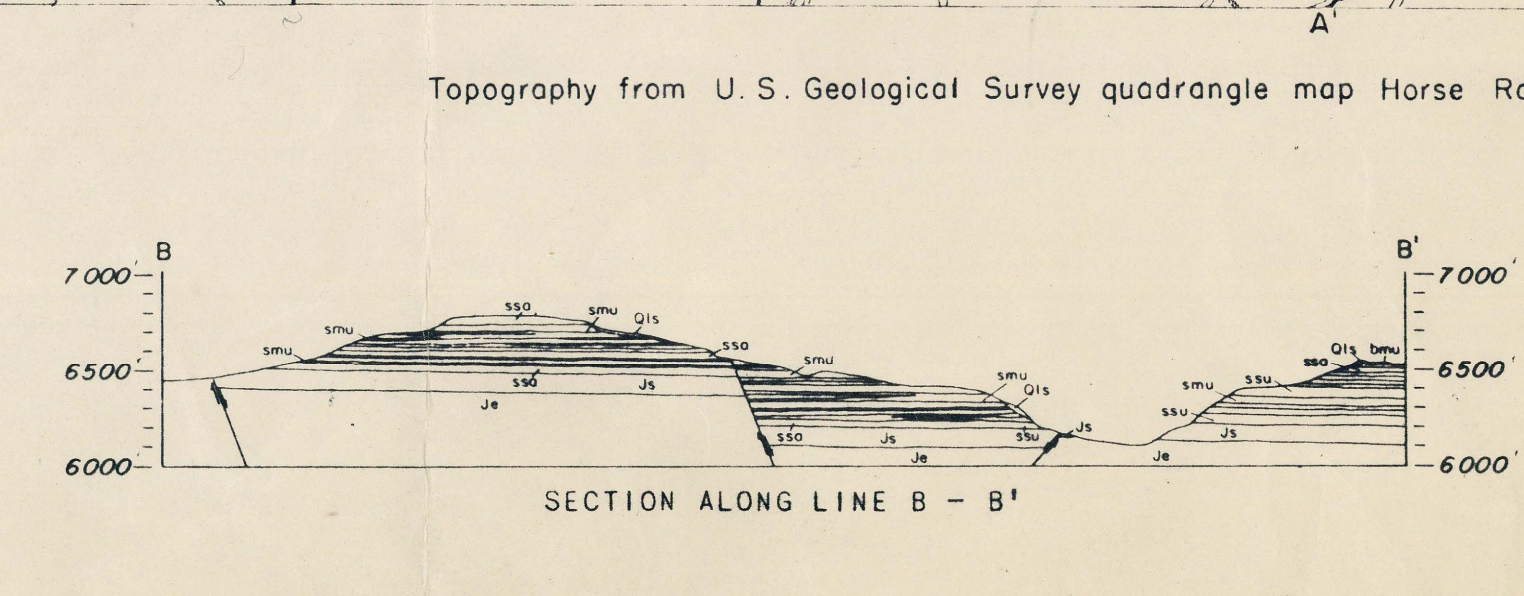
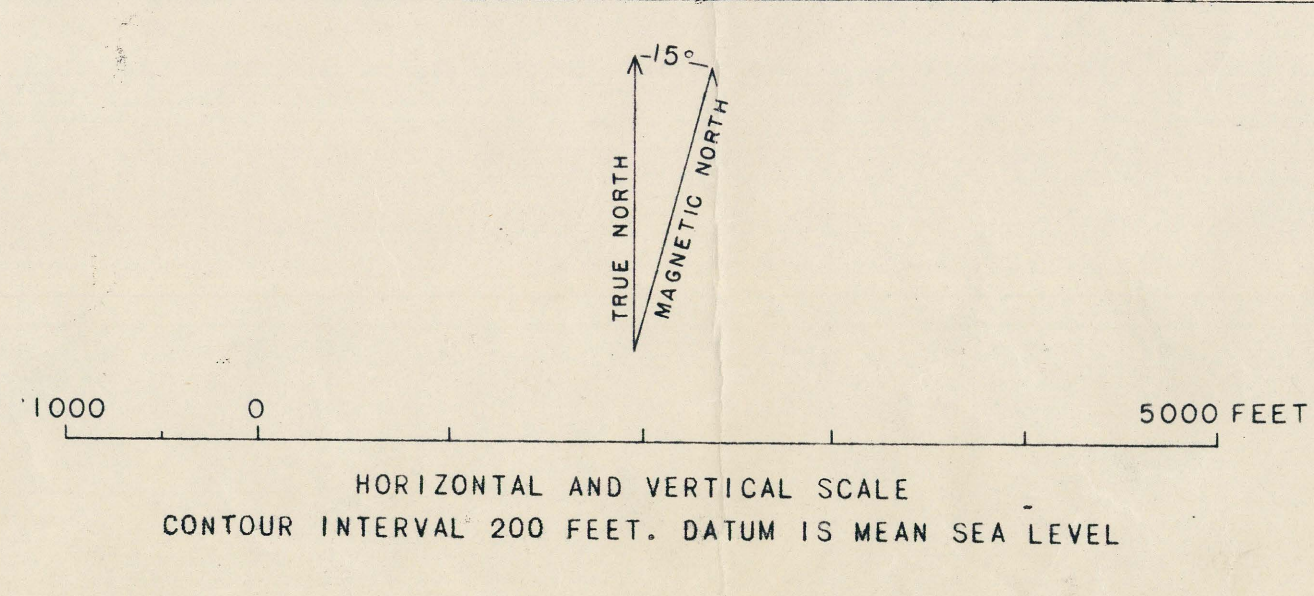
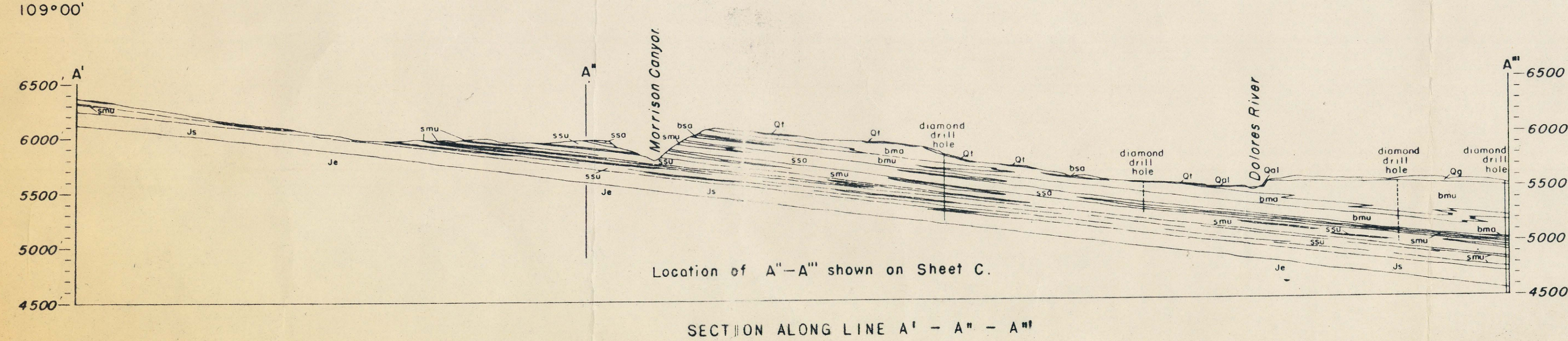
1957

GEOLOGY MAPPED BY N.L. ARCHBOLD

GEOLOGY MAPPED BY D.R. SHANE



- EXPLANATION
- ALLUVIUM
Fan gravels and recent stream deposits of clay, silt, sand, and gravel.
- SOIL
light reddish-brown, silty wind-blown and residual material.
- TALUS
Unstratified slope deposits, chiefly below burro Canyon formation.
- LANDSLIDES
Unstratified heterogeneous mixtures of angular rock fragments chiefly on slopes of brushy basin center.
- MANTLE
Undifferentiated surface deposits, including soil, talus, and landslides.
- TERRACE GRAVEL
Poorly sorted gravel and sand containing abundant boulders. Largely volcanic rocks.
- UNCONFORMITY
- POST-MORRISON FORMATIONS
ancos, Dakota, and Burro Canyon formations in the map area.
- BRUSHY BASIN MEMBER OF MORRISON FORMATION
Interbedded reddish-brown mudstone (unaltered sm), gray to greenish-gray mudstone (altered sm), light-red to reddish-brown sandstone (unaltered ss), and gray to yellow-brown sandstone (altered ss). Sandstone lenses are commonly conglomeratic (dotted).
- SALT WASH MEMBER OF MORRISON FORMATION
Interbedded reddish-brown mudstone (unaltered sm), gray to greenish-gray mudstone (altered sm), light-red to reddish-brown sandstone (unaltered ss), and gray to yellow-brown sandstone (altered ss). Uppermost persistent sandstone layer contains most of the uranium-vanadium deposits in the district.
- SUMMERVILLE FORMATION
reddish-brown siltstone and silty sandstone.
- PRE-SUMMERVILLE FORMATIONS
Entrada, Carmel, Kanab, Ute, Wingate, Chino, and Cutler formations in the map area.
- BASE OF BURRO CANYON FORMATION OF CRETACEOUS AGE.
(Dashed where approximately located.)
- TOP OF ENTRADA FORMATION OF JURASSIC AGE.
(Dashed where approximately located.)
- CONTACT WITHIN MORRISON FORMATION
(Dashed where indefinite, inferred, or approximately located.)
- AXIS OF DOLORES ANTICLINE
- FAULT, SHOWING DIP.
(Dashed where approximately located; U, upthrown side; D, downthrown side.)
- STRIKE AND DIP OF BEDS
- VERTICAL JOINT
- NEARLY VERTICAL JOINT WITH DIP UNDETERMINED
- JOINT, SHOWING DIP
- FOSSIL LOG, SHOWING ORIENTATION
- CURRENT LINEATION
- ALTERED ROCK ALONG JOINTS
- MINE
- AULT
- PROSPECT WITH URANIUM AND VANADIUM MINERALS SHOWING.



Sheet A.--GEOLOGIC MAP OF THE MORRISON AND SUMMERVILLE FORMATIONS IN PART OF THE SLICK ROCK DISTRICT, SAN MIGUEL COUNTY, COLO.

THIS PRELIMINARY MAP IS RELEASED
WITHOUT EDITORIAL AND TECHNICAL
REVIEW FOR CONFORMITY WITH OFFICIAL
STANDARDS AND NOMENCLATURE

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

Colorado (Slick Rock District)
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