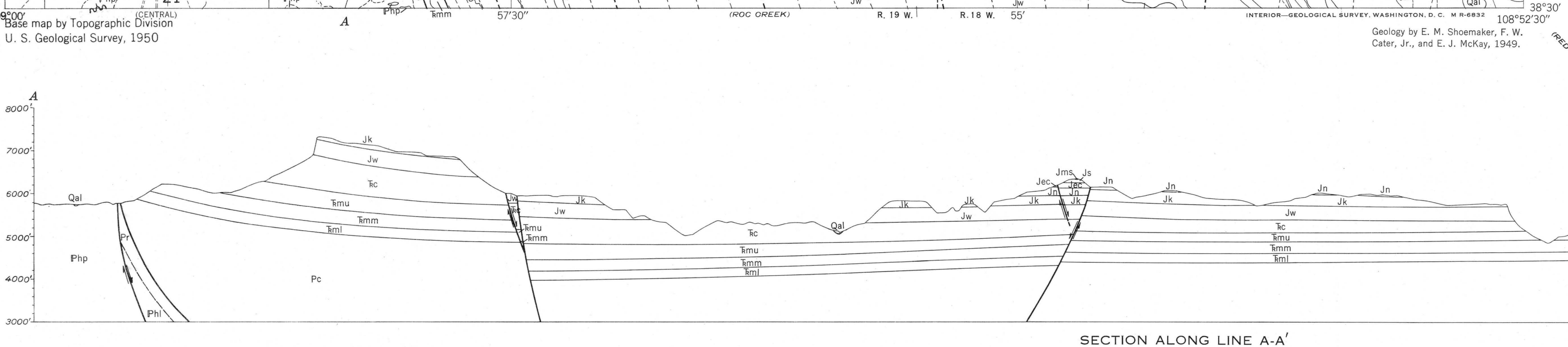


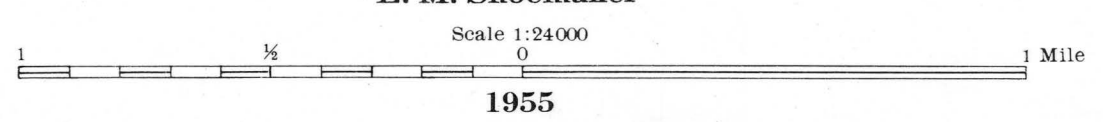
EXPLANATION

- | | | | |
|---------------------|--|-------|---|
| Qal | Alluvium
Light-red wind-deposited sand and silt on benches and mesa tops; recent valley fill and stream deposits. | --- | Contact
Dashed where approximately located. |
| Qg | Terrace gravels | ----- | Indefinite contact
Includes inferred contacts and indefinite boundaries of surficial deposits. |
| Qls | Landslide deposits | ~~~~~ | Fault
Dashed where approximately located; dotted where concealed. U, upthrown side; D, downthrown side. |
| UNCONFORMITY | | | |
| Kd | Dakota sandstone
Red and brown thin-bedded conglomeratic sandstone and minor amounts of carbonaceous shale. | ⊕ | Strike and dip of beds |
| Kbc | Burro Canyon formation
White, gray, and red sandstone and conglomerate with interbedded green and purplish shale. | ⊕ | Strike of vertical beds |
| Jmb | Morrison formation
Variegated shale and white and gray sandstone and conglomerate (jmb); white and buff sandstone with minor amounts of mudstone (jms). | ⊕ | Horizontal beds |
| Jjs | Summerville formation
Predominantly red and brown thin-bedded mudstone; thin beds of chert and limestone. | ⊕ | Generalized strike and dip of crumpled beds |
| Jec | Entrada sandstone and Carmel formation undivided
Orange, buff, and white fine-grained sandstone at the top; red sandstone and mudstone at the base. | ⊕ | Generalized strike of crumpled beds showing direction of dip |
| UNCONFORMITY | | | |
| Jn | Navajo sandstone
Gray to buff crossbedded fine-grained quartz sandstone. | ⊕ | Anticline
Showing trace of axial plane and bearing and plunge of axis. Dashed where approximately located. |
| Jk | Kayenta formation
Red, buff, gray, and lavender shale, siltstone, and fine- to coarse-grained sandstone. | ⊕ | Concealed anticline |
| Jw | Wingate sandstone
Fine-grained reddish-brown sandstone, thick-bedded, massive, and crossbedded. | ⊕ | Syncline
Showing trace of axial plane and bearing and plunge of axis. Dashed where approximately located. |
| Jc | Chinle formation
Bright red and red-brown mudstone, siltstone, sandstone, and pebble conglomerate. | ⊕ | Concealed syncline |
| UNCONFORMITY | | | |
| Jmu | Moenkopi formation
Sandy mudstone (jmu); conglomeratic and conglomeritic sandstone (jmm); and fine-grained sandstone and shale (jmi). | ⊕ | Structure contour
Drawn on top of Entrada sandstone. Short dashes indicate projection above surface. Contour interval 100 feet. Datum is mean sea level. |
| Jp | Cutler formation
Maroon and purple conglomerate and arkose and red-brown sandy mudstone. | ⊕ | Structure depression contour |
| Jr | Rico formation
Red arkose, red-brown mudstone, and gray limestone. | ⊕ | |
| Jhp | Hermosa formation
Largely salt and gypsum (Php); limestone and thin beds of shale, [not exposed in quadrangle] (Phl). | ⊕ | |

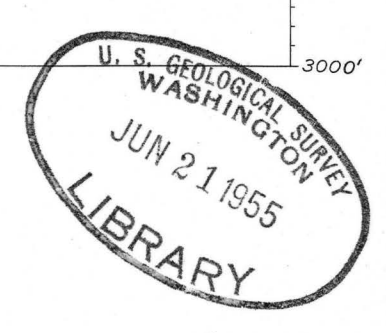


SECTION ALONG LINE A-A'

PRELIMINARY GEOLOGIC MAP
OF THE
JUANITA ARCH QUADRANGLE, COLORADO
By
E. M. Shoemaker
Scale 1:24,000



Colorado (Juanita Arch quad). Geol. 1:24,000. 1955.
cop. 2



M(200) MF-28

M(271)2 J87s c.2

Since the preparation of this map the age designation of the Glen Canyon group has been changed in U. S. Geological Survey usage to Triassic and Jurassic; the age designation of the Wingate sandstone has been changed to Triassic; and the age designation of the Navajo sandstone has been changed to Jurassic.