

WILCOAT CANYON

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY
W. E. WRATHER, DIRECTOR

PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION
COLORADO GEOLOGICAL SURVEY BOARD
AND COLORADO METAL MINING FUND BOARD

MINERAL INVESTIGATIONS
FIELD STUDIES MAP MF 24

PARADOX VALLEY
1:25000

EXPLANATION

Qal
Alluvium
Light-red sand and silt, mostly wind-deposited
and reworked by water; sandy gravel valley
fill.

Qg
Terrace gravels
Pebbles and cobbles of intrusive and extrusive
rocks.

QUATERNARY

UNCONFORMITY

Kd
Dakota sandstone
Gray, yellow, and buff flaggy sandstone with
interbedded carbonaceous shale and impure
coal.

Kbc
Burro Canyon formation
White, gray, and red sandstone and conglomerate
with interbedded green and purplish shale.

CRETACEOUS

Jmb
Jms

Morrison formation
Variegated shale and white and gray sandstone
and conglomerate (Jmb); white and buff sand-
stone with minor amounts of mudstone (Jms).

Js
Summerville formation
Predominantly red and brown thin-bedded mud-
stone; thin beds of chert and limestone.

JURASSIC

Jec

Entrada sandstone and Carmel formation undivided
Orange, buff, and white fine-grained sandstone
at the top; red sandstone and mudstone at the base.

UNCONFORMITY

Jn
Navajo sandstone
Gray to buff crossbedded fine-grained quartz
sandstone.

JURASSIC(?)

Jk

Kayenta formation
Red, buff, gray, and lavender shale, siltstone,
and fine- to coarse-grained sandstone.

Jw

Wingate sandstone
Fine-grained reddish-brown sandstone, thick
bedded, massive, and crossbedded.

TRIASSIC

Tc

Chinle formation
Red to orange-red siltstone and fine-grained
sandstone, shale, and conglomerate.

Contact

Dashed where approximately located.

Indefinite contact

Includes inferred contacts and indefinite bound-
aries of surficial deposits.

Fault

Dashed where approximately located; dotted
where concealed. u, upthrown side; d, down-
thrown side.

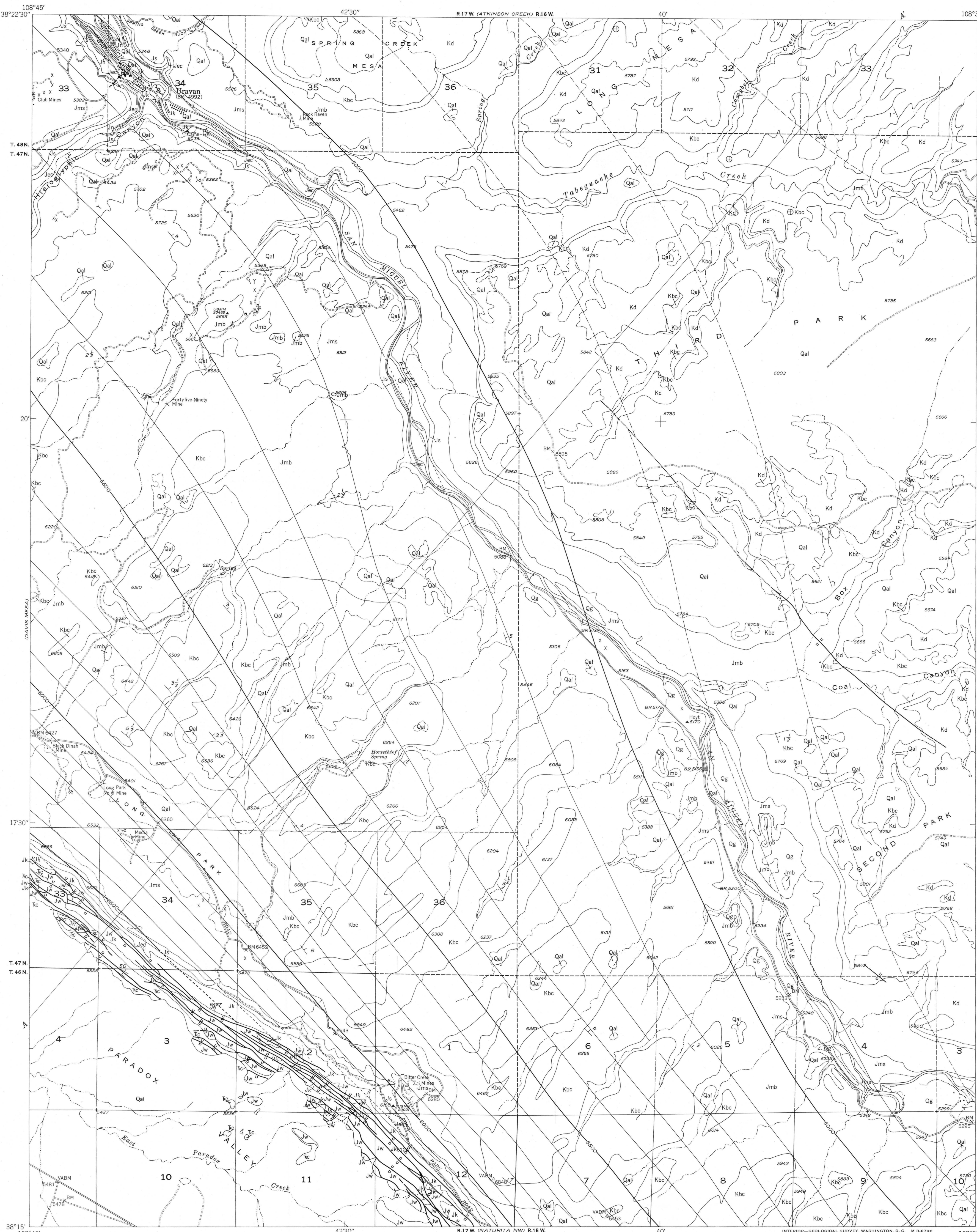
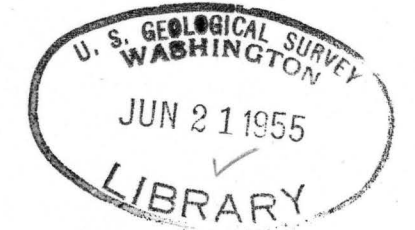
Strike and dip of beds

Horizontal beds

Structure contour

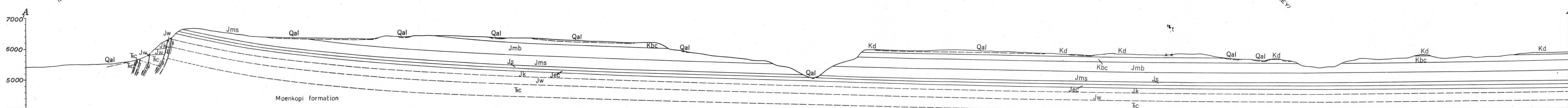
Drawn on top of Entrada sandstone; dashed
where inferred or approximately located; short
dashes indicate projection above surface.
Contour interval 100 feet. Datum is mean
sea level.

Note: Some small areas of outcrop are not marked.
Contacts are not closed when the contact
touches a river.



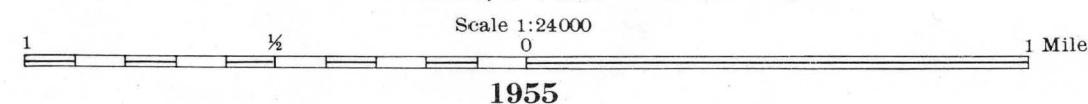
Base map by Topographic Division
U. S. Geological Survey, 1949

Geology by A. P. Butler, 1941; F. W. Cater,
Jr., and E. J. McKay, 1948.



SECTION ALONG LINE A-A'

PRELIMINARY GEOLOGIC MAP
OF THE
URAVAN QUADRANGLE, COLORADO
By
Fred W. Cater, Jr. and E. J. McKay



1955

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Colorado (Uraivan quad). Geol. 1:24,000. 1955

Since the preparation of this map the age designa-
tion of the Glen Canyon group has been changed in
U. S. Geological Survey usage to Triassic and Juras-
sic; 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.

For sale by U. S. Geological Survey, price 50 cents



M(200)
MF-24
C1