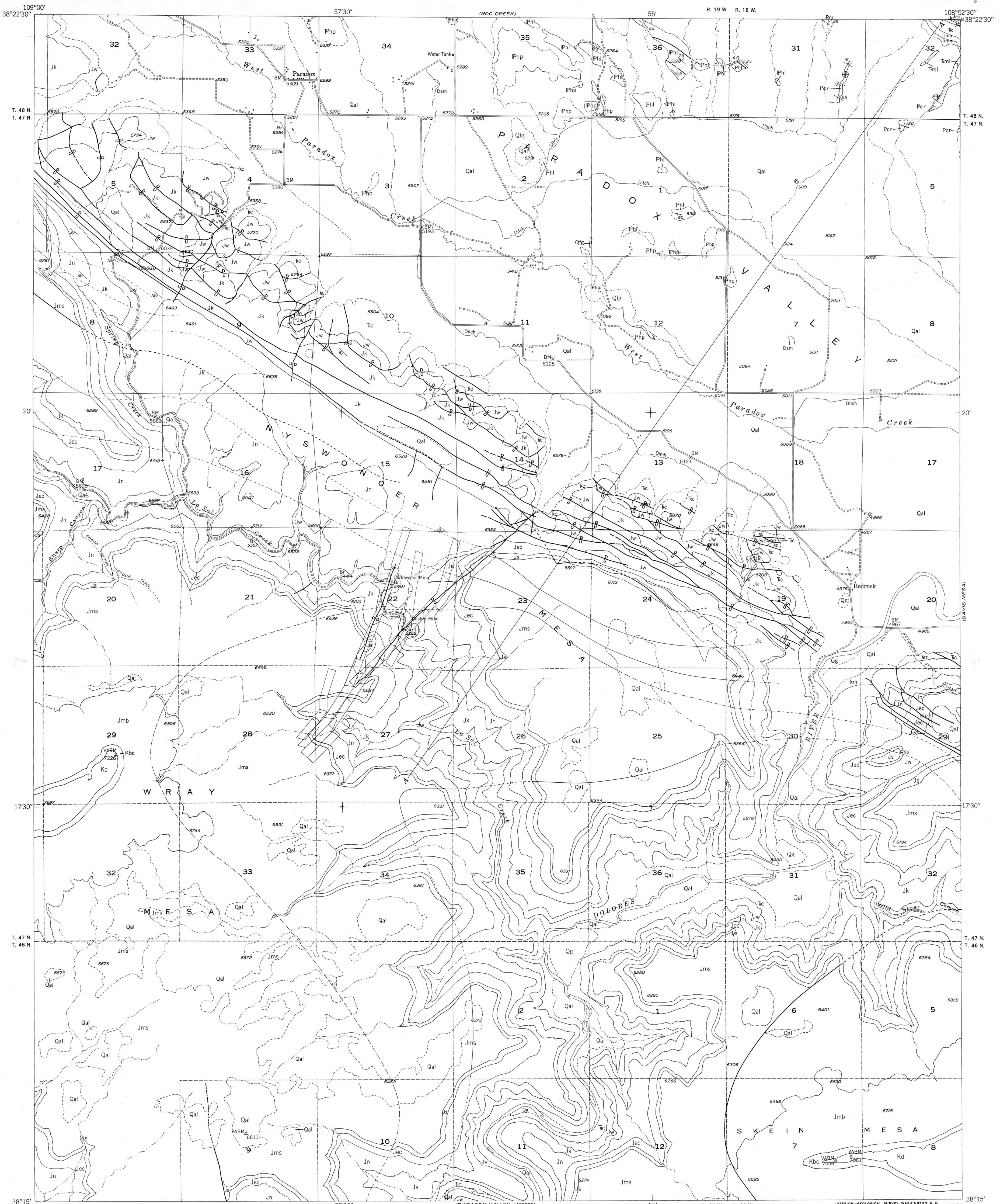


PARADOX VALLEY  
1:25000



EXPLANATION

Qal Alluvium  
Light-red wind-deposited sand and silt on benches and mesa tops; reworked in part by water; recent valley fill and stream deposits.

Qg Gravel

Qfg Fanglomerate

Poorly sorted, in places rudely bedded, sand and angular fragments and boulders derived from older formations; somewhat indurated.

Kd Dakota sandstone

Yellowish, lenticular sandstone and conglomerate with interbedded carbonaceous shale and impure coal.

Kbc Burro Canyon formation

White, gray, and red sandstone and conglomerate with interbedded green and purplish shale.

Jmb Morrison formation

Variogated shale and mudstone; white, gray, rusty-red, and buff sandstone; rusty-red conglomerate; local thin limestone beds. At the top the Brushy Basin shale member, Jms, consisting largely of bentonitic shale but including some sandstone and conglomerate lenses, and at the base the Salt Wash sandstone member, Jms, with more numerous and thicker sandstone beds.

Jec Summerville formation

Thin-bedded red, gray, green, and brown sandy shale and mudstone.

Entrada sandstone and Carmel formation undivided  
Orange, buff, and white, fine-grained, massive and cross-bedded Entrada sandstone at the top. Red sandstone and mudstone of the Carmel formation at the base.

Jn Navajo sandstone

Buff and gray cross-bedded, fine-grained sandstone.

Jk Kayenta formation

Irregularly bedded, red, buff, gray, and lavender shale, siltstone, and fine- to coarse-grained sandstone.

Jw Wingate sandstone

Fine-grained reddish-brown, cliff-forming sandstone, thick-bedded, massive and cross-bedded.

Tc Chinle formation

Red to orange-red siltstone, with interbedded lenses of red sandstone, shale, and limestone pebbles and clay-pilled conglomerate. Lenses of quartz-pebble conglomerate and grit at base.

Tm Moenkopi formation

Chocolate-brown, ripple-bedded shale, brick-red sandy mudstone, reddish-brown and chocolate-brown sandstone, and purple and reddish-brown arkosic conglomerate. Local gypsum beds. The upper member, Tm, consisting of thin and ripple-bedded shale with interbedded sandstone; the middle member, Tm, consisting of ledge-forming beds of shale, sandstone, and arkosic conglomerate; and the lower member, Tm, consisting of poorly sorted mudstone and local gypsum beds near base. Tm, where undifferentiated.

Pcr Cutler and Rico formations undivided

Maroon, red, mottled light-red, and purple conglomerate, arkosic, and arkosic sandstone. Thin beds of sandy mudstone. Interbedded reddish and gray marine limestone at the base.

Phi Hermosa formation

At the top, gray fossiliferous limestone member with thin beds of shale, Phi, and at the base, sandstone, black shale, gypsum, and silt of the Paradox member, Phi.

Contact

Dashed where approximately located.

Indefinite contact

Includes inferred contacts and indefinite boundaries of surficial deposits.

Fault

Dashed where approximately located; dotted where concealed. u, upthrown side; d, downthrown side.

Strike and dip of beds

Strike of vertical beds

Horizontal beds

Structure contours

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

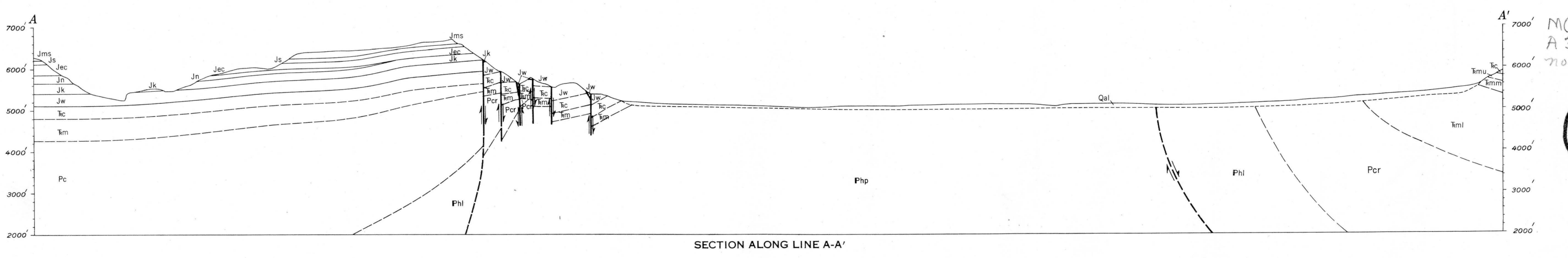
Adit

Outline of patented claim

Located only approximately.

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

Geology by C. F. Withington, F. W. Cater, Jr., and E. J. McKay, 1948.



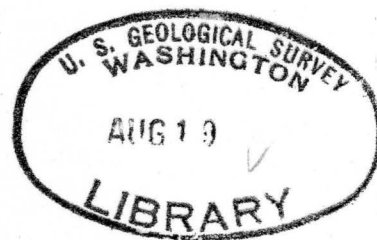
SECTION ALONG LINE A-A'

PRELIMINARY GEOLOGIC MAP  
OF THE  
PARADOX QUADRANGLE, COLORADO  
By  
C. F. Withington

Scale 1:24,000

1955

Colorado (Paradox quad.) geol. 1:24,000. 1955.  
Cop. 1.



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.

M(200)  
MF 22  
c.1

M(271)2  
P211wp  
c.1