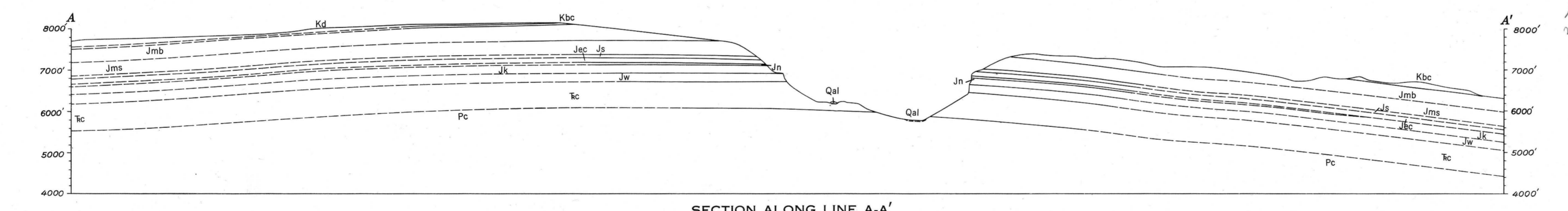


EXPLANATION		
Qal	Alluvium	QUATERNARY
Qg	Light-red wind-deposited sand and silt on benches and mesa tops, varnished in part by water; recent valley fill and stream deposits.	
Km	Terrace gravel	UPPER CRETACEOUS
Kd	Mancos shale	
Kc	Dakota sandstone	CRETACEOUS
Kbc	Yellowish, trinitular sandstone and conglomerate with interbedded carbonaceous shale and impure coal.	
Jmb	Burro Canyon formation	UPPER JURASSIC
Jms	White, gray, and red sandstone and conglomerate with interbedded green and purplish shale.	
Js	Morrison formation	JURASSIC
Jec	Variegated 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 lenticular shale but including some sandstone and conglomerate lenses, and at the base the Salt Wash sandstone member, Jm, with more numerous and thicker sandstone beds.	
Jw	Summerville formation	MIDDLE AND UPPER JURASSIC
Jk	Thin-bedded red, gray, and brown sandy shale and mudstone.	
Jt	Entrada sandstone and Carmel formation undivided	UPPER TRIASSIC
Jc	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	TRIASIC
Jj	Buff and gray cross-bedded, fine-grained sandstone.	
Jv	Kayenta formation	PERMIAN (?)
Jp	Irregularly bedded red, buff, gray, and lavender shale, siltstone, and fine- to coarse-grained sandstone.	
Jr	Wingate sandstone	
Jq	Fine-grained reddish-brown, cliff-forming sandstone, thick-bedded, massive and cross-bedded.	
Ju	Chinle formation	
Jt	Red to orange-red siltstone with interbedded lenses of red sandstone, shale, and limestone-pebble and clay-pellet conglomerate. Lenses of quartz-pebble conglomerate and grit at base.	
Jc	Cutler formation	
Jb	Maroon, red, mottled light-red, and purple conglomerate, arkose, and arkosic sandstone. Thin beds of sandy mudstone.	
Contact		Dashed where approximately located.
Indefinite contact		Includes inferred contacts and indefinite boundaries of surficial deposits.
Fault showing dip		Dashed where approximately located; u, upthrown side; o, downthrown side.
Anticline		Showing trace of axial plane
Strike and dip of 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		x
Prospect		.

Base map by Topographic Division U. S. Geological Survey, 1950
Geology by W. L. Stokes, 1945; revised by F. W. Cater, Jr., 1949.



PRELIMINARY GEOLOGIC MAP OF THE JOE DAVIS HILL QUADRANGLE, COLORADO
By Fred W. Cater, Jr.
Scale 1:24,000
1955

Colorado (Joe Davis Hill quad.) geol. 1:24,000. 1955.
Cap. to

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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.
For sale by U. S. Geological Survey, price 25 cents.

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