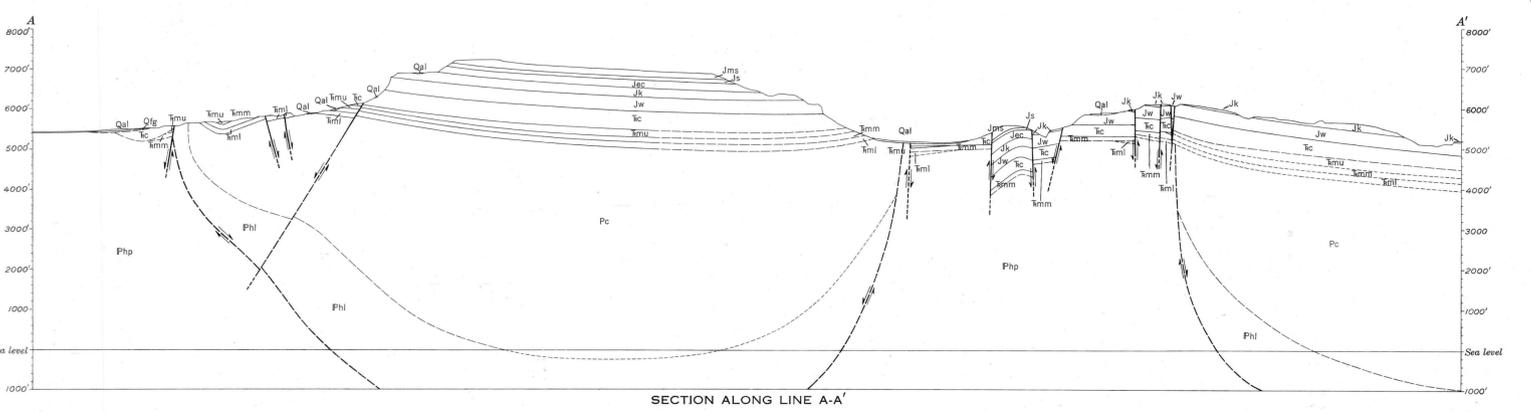


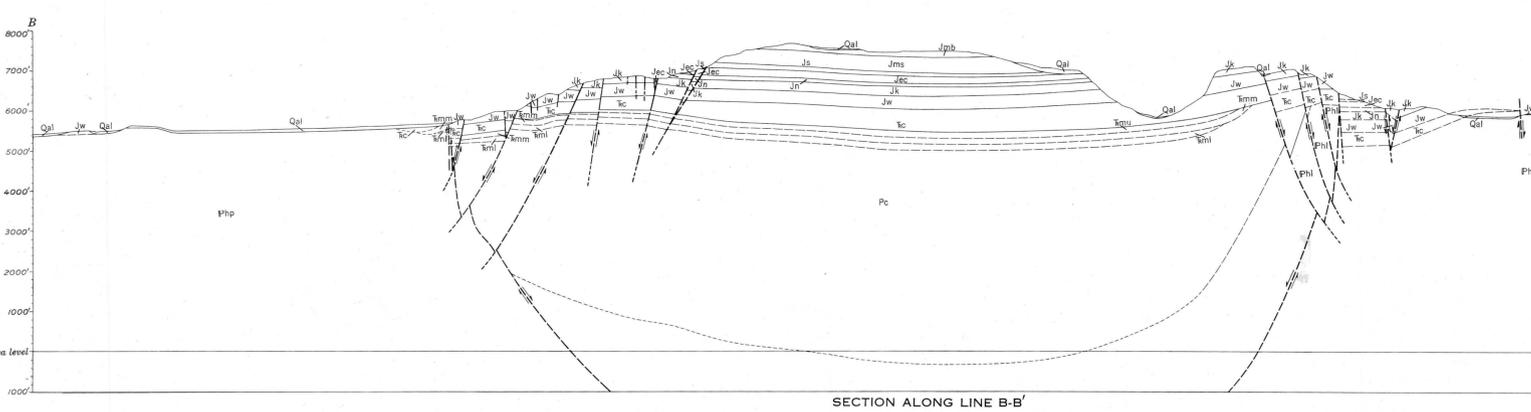
EXPLANATION		
	Alluvium	QUATERNARY
	Light-red wind-deposited sand and silt on benches and mesa tops; recent valley fill and stream deposits.	
	Terrace gravels and conglomerate	
	Rudely bedded sand and boulders; well indurated (Qlg); sandy gravels of pebbles and boulders of igneous rocks, quartzitic rocks, and sandstone.	TERTIARY
	Morrison formation	
	Variiegated shale, white and gray sandstone and conglomerate (Jmb); white and buff sandstone with minor amounts of mudstone (Jms).	
	Summerville formation	JURASSIC
	Thin-bedded red, gray, green, and brown sandy shale and mudstone; thin beds of chert and limestone.	
	Entrada sandstone and Carmel formation undivided	MIDDLE AND UPPER JURASSIC
	Orange, buff, and white fine-grained sandstone at the top; red sandstone and mudstone at the base.	
	UNCONFORMITY	GLACIATION
	Navajo sandstone	
	Gray to buff cross-bedded fine-grained quartz sandstone.	
	Kayenta formation	GLACIATION
	Red, buff, gray, and lavender shale, siltstone, and fine- to coarse-grained sandstone.	
	Wingate sandstone	UPPER TRIASSIC
	Fine-grained reddish-brown sandstone, thick-bedded, massive, and cross-bedded.	
	Chinle formation	UPPER TRIASSIC
	Bright-red and red-brown mudstone, siltstone, sandstone, and pebble conglomerate.	
	UNCONFORMITY	TRIASSIC
	Moenkopi formation	
	Sandy mudstone (Tml); conglomerate and conglomeratic sandstone (Tmm); fine-grained sandstone and shale (Tmu).	
	Cutler formation	PERMIAN
	Maroon, purple, red, and mottled light-red arkosic sandstone and conglomerate.	
	Hermosa formation	PENNSYLVANIAN
	Salt and gypsum (Pph); arkose, red sandstone, and limestone (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; o, downthrown side.	
	Strike and dip of beds	
	Strike and dip of beds in Paradox member of Hermosa formation where strike and dip cannot be precisely measured	
	Strike and dip of overturned beds	
	Strike of vertical beds	
	Horizontal beds	
	Generalized strike and dip of crumpled beds	
	Generalized strike and dip of crumpled beds showing direction of dip	
	Anticline	
	Showing trace of axial plane and bearing and plunge of axis. Dashed where approximately located.	
	Concealed anticline	
	Syncline	
	Showing trace of axial plane and bearing and plunge of axis. Dashed where approximately located.	
	Concealed syncline	
	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.	

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

Geology by E. M. Shoemaker
and F. W. Cater, Jr., 1948-49



SECTION ALONG LINE A-A'



SECTION ALONG LINE B-B'

PRELIMINARY GEOLOGIC MAP
OF THE
ROC CREEK QUADRANGLE, COLORADO
By
E. M. Shoemaker
Scale 1:24,000
1955

Colorado (Roc Creek 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.