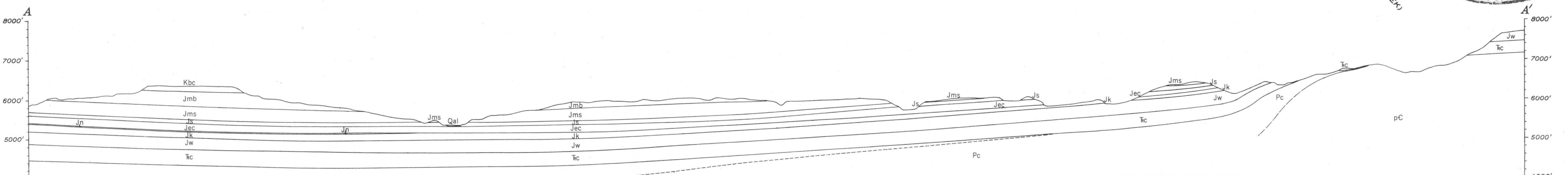
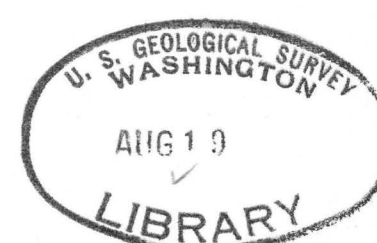


EXPLANATION		QUATERNARY
	Alluvium	
Light-red wind-deposited sand and silt on benches and mesa tops, reworked in part by water; recent valley fill and stream deposits.		CRETACEOUS
	Landslide deposits	
UNCONFORMITY		JURASSIC
	Dakota sandstone	
Yellowish, lenticular sandstone and conglomerate with interbedded carbonaceous shale and impure coal.		JURASSIC(?)
	Burro Canyon formation	
White, gray, and red sandstone and conglomerate with interbedded green and purplish shale.		TRIASSIC
	Morrison formation	
Variegated shale and mudstone; white, gray, rusty-red, and buff sandstone; rusty-red conglomerate; local thin limestone beds. At the top the Brassy 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.		PERMIAN(?)
	Summerville formation	
Thin-bedded red, gray, green, and brown sandy shale and mudstone.		PRE-CAMBRIAN
	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.		
UNCONFORMITY		
	Navajo sandstone	
Buff and gray cross-bedded, fine-grained sandstone.		
	Kayenta formation	
Irregularly bedded, red, buff, gray, and lavender shale, siltstone, and fine- to coarse-grained sandstone.		
	Wingate sandstone	
Fine-grained reddish-brown, cliff-forming sandstone, thick-bedded, massive and cross-bedded.		
	Chinle formation	
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.		
UNCONFORMITY		
	Cutler formation	
Maroon, red, mottled light-red, and purple conglomerate, arkose, and arkosic sandstone. Thin beds of sandy mudstone.		
UNCONFORMITY		
	Gneiss, schist, granite, and pegmatite.	
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		
Horizontal beds		
Structure contour		
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.		
	Shaft	
	Adit	
	Prospect	
	Mine	
	Outline of patented claim	
Located only approximately.		



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

Colorado (Calamity mesa quad). Geol. 1:24,000. 1955
Cop. 1.



M(200)
MF 32
C.1
M(271)2
C125
C.1