UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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TRACE ELEMENTS MEMORANDUM REPORT 707

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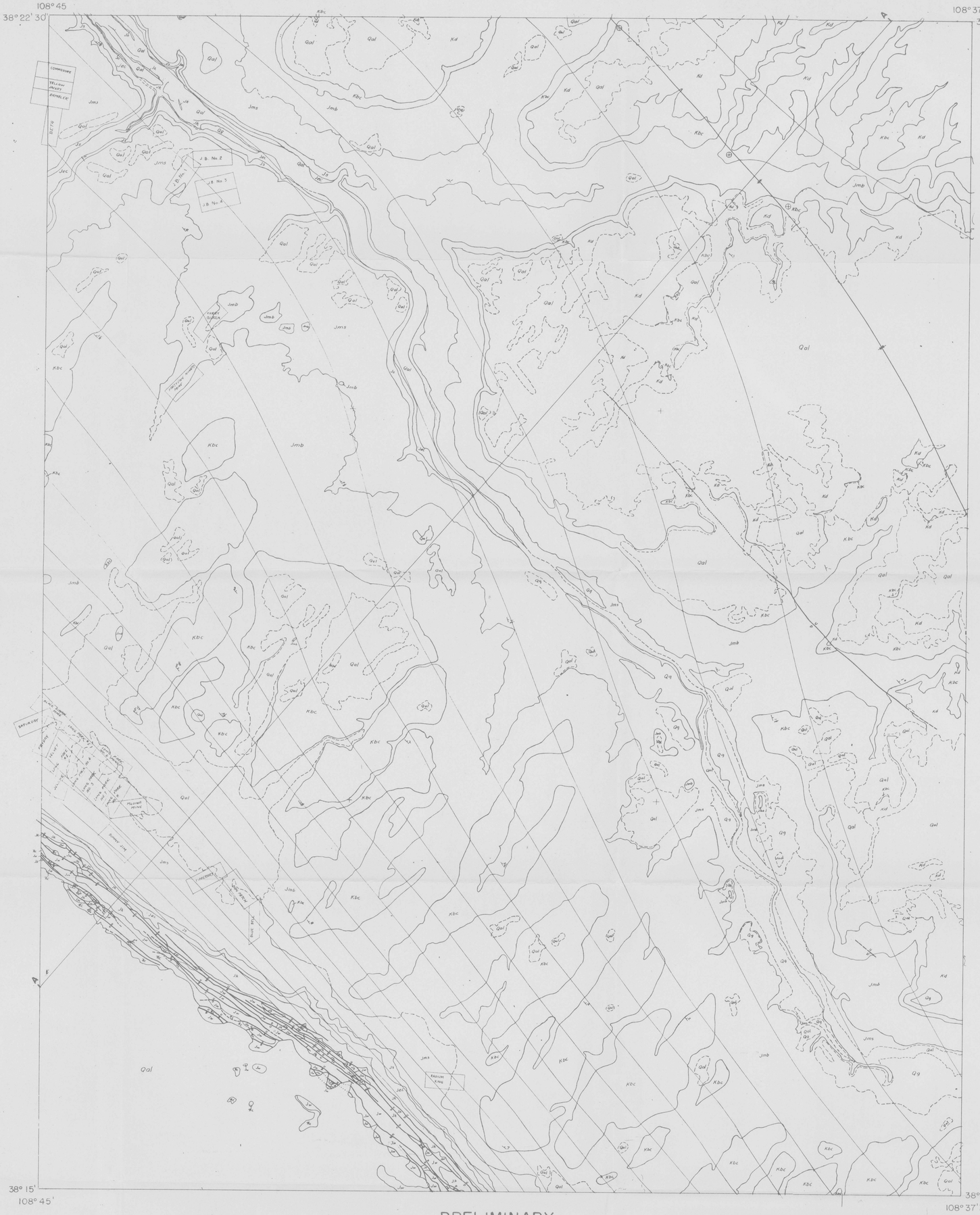

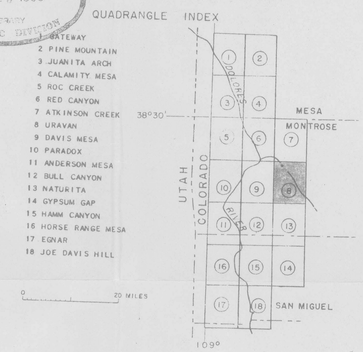

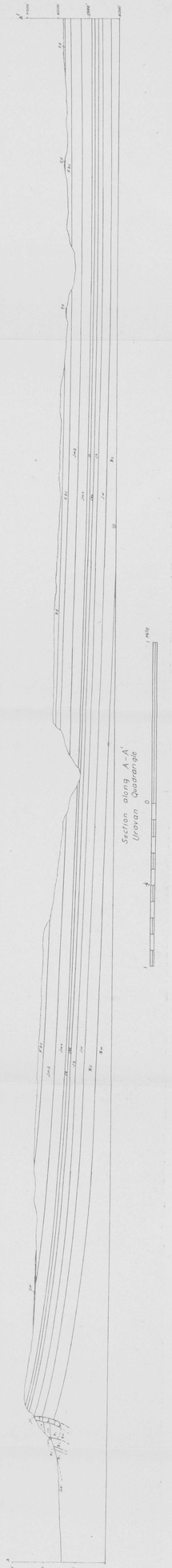

EXPLANATION

Period	Unit	Symbol	Group
PLEISTOCENE AND RECENT	ALLUVIUM	QAL	QUATERNARY
PLEISTOCENE AND RECENT	TERRACE GRAVELS	QG	QUATERNARY
	UNCONFORMITY		
UPPER CRETACEOUS	DAKOTA SANDSTONE	KD	CRETACEOUS
LOWER CRETACEOUS	BURRO CANYON FORMATION	KBC	CRETACEOUS
UPPER JURASSIC	MORRISON FORMATION	JMB	JURASSIC
UPPER JURASSIC	SUMMERVILLE FORMATION	JMS	JURASSIC
MIDDLE AND UPPER JURASSIC (SAN RAFAEL GROUP)	ENTRADA SANDSTONE AND CARMEL FORMATION UNDIVIDED	JEC	JURASSIC
	UNCONFORMITY		
GLEN CANYON GROUP	NAVAJO SANDSTONE	JN	JURASSIC (?)
GLEN CANYON GROUP	KAYENTA FORMATION	JK	JURASSIC (?)
GLEN CANYON GROUP	WINGATE SANDSTONE	JW	JURASSIC (?)
UPPER TRIASSIC	CHINLE FORMATION	TRC	TRIASSIC

CONTACT
(DASHED WHERE APPROXIMATELY LOCATED)

INDEFINITE CONTACT
(INCLUDES INFERRED CONTACTS AND INDEFINITE BOUNDARIES OF SURFICIAL DEPOSITS)

U
D
FAULT
(DASHED WHERE APPROXIMATELY LOCATED; DOTTED WHERE CONCEALED. U, UPTHROWN SIDE; D, DOWNTHROWN SIDE)

STRIKE AND DIP OF BEDS

SYNCLINE
(SHOWING TRACE OF AXIAL PLANE. DOTTED WHERE CONCEALED)

HORIZONTAL BEDS

6000
STRUCTURE CONTOUR
(DRAWN ON TOP OF ENTRADA SANDSTONE; DASHED WHERE INFERRED OR APPROXIMATELY LOCATED. 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. RIVERS NOT SHOWN

Photographed from blue line compilation sheet of U.S. Geological Survey topographic Uravan quadrangle base map

PRELIMINARY
GEOLOGIC MAP AND SECTION OF THE URAVAN QUADRANGLE, COLORADO

1 1/2 0 1 MILE

Because of distortion in reproduction and printing processes, scale of map and sections are only approximate

This map is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey standards and nomenclature

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