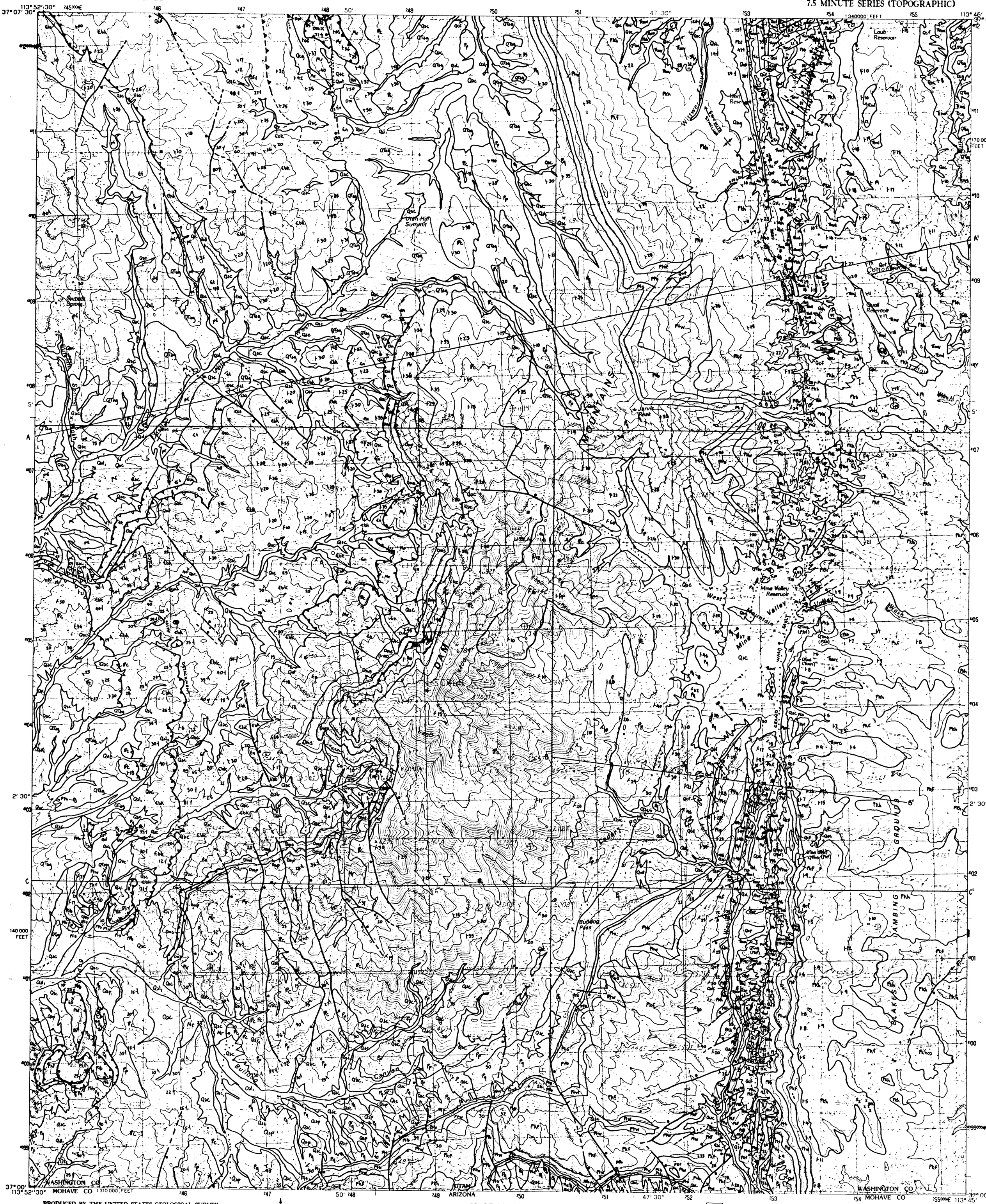
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JARVIS PEAK QUADRANGLE
UTAH-ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY . . . . . USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1975
FIELD CHECKED . . . . . 1978 MAP EDITED 1983
PROJECTION . . . . . LAMBERT CONFORMAL CONIC
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR . . . . . ZONE 12
10,000-FOOT STATE GRID TICKS . . . . . UTAH, SOUTH ZONE
UTM GRID DECLINATION . . . . . 1°42' WEST
1983 MAGNETIC NORTH DECLINATION . . . . . 14° EAST
VERTICAL DATUM . . . . . NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM . . . . . 1927 NORTH AMERICAN DATUM

To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (6 meters north and 71 meters east)

There may be private inholdings within the boundaries of any Federal and State Reservations shown on this map

All marginal data and lettering generated and positioned by automated type placement procedures

NORTH

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check. 3

SCALE 1:24 000

1 .5 0 1 MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000 FEET
1 .5 0 1 2 KILOMETERS
1000 0 METERS 1000 2000

CONTOUR INTERVAL 40 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092

UTAH

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 West Mountain Peak
2 Silverton
3 Basin Chute
4 Castle Cliff
5 White Hill
6 Lindenfield
7 Mountain Sheep Spring
8 Purgatory Canyon

ADJOINING 7.5' QUADRANGLE NAMES

ROAD LEGEND

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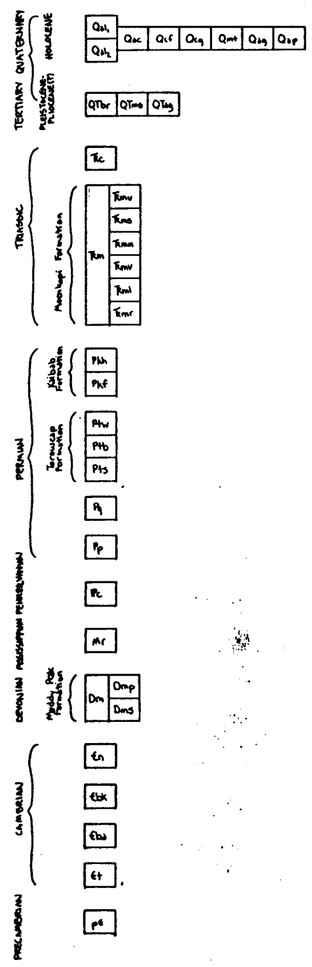
Becky J. Hammond
4/91

AGE	FORMATION		SYMBOL		THICKNESS (in feet)	LITHOLOGY
QUATERNARY	Alluvium, alluvium/colluvium, colluvium, talus, gravel and pediment alluvium		Qal, Qal2 Qac Qct Qcg Qmt Qag Qsp		0-75	
PLIOCENE-PLEISTOCENE	Chert breccia, landslide materials and alluvial gravels		QTbr QTms QTag		0-150	
TRIASSIC	Chinle Formation	Petrified Forest Member	TRc	TRcp	1000	
		Shinarump Congl. Member		TRcs		
	Moenkopi Formation	Upper red member	TRm	TRmu	500	
		Shnabkaib Member		TRms	800	
		Middle red member		TRmm	340	
		Virgin Limestone Member		TRmv	240	
		Lower red member		TRml	0-250	
		Rock Canyon Congl. Member		TRmr	0-50	
PERMIAN	Kaibab Formation	Harrisburg Member	Pkh		0-350	
		Fossil Mountain Member	Pkf		250	
	Toroweap Formation	Woods Ranch Member	Ptw		130-230	
		Brady Canyon Member	Ptb		250	
		Seligman Member	Pts		80	
	Queantoweap Sandstone		Pq		1200-1500	
	Pakoon Dolomite		Pp		650-820	
PENNSYLVANIAN	Callville Limestone		IPc		1520	
MISSISSIPPIAN	Redwall Limestone		Mr		600	
DEVONIAN	Muddy Peak Dolomite	Pinnacle member	Dm	Dmp	500-700	
		Slope member		Dms		
CAMBRIAN	Nopah Dolomite		Єn		1380	
	Bonanza King Formation		Єbk		2600	
	Bright Angel Shale		Єba		260	
	Tapeats Quartzite		Єt		1300	
PRECAMBRIAN	Interrelated gneiss, schist and pegmatite		pЄ			

CORRELATION OF MAP UNITS



MAP SYMBOLS

Contact
dashed where approximately located; dotted where concealed

FAULTS
dashed where approximately located; dotted where concealed

High-Angle Fault
Showing dip of plane; bar and ball on downthrown side

Strike-Slip Fault

Low-Angle Faults
sawteeth on upper plate

Thrust Fault

Attenuation Fault

STRIKE AND DIP OF BEDS

25 inclined

horizontal

30 overturned

vertical

Trend and Plunge of Foliation

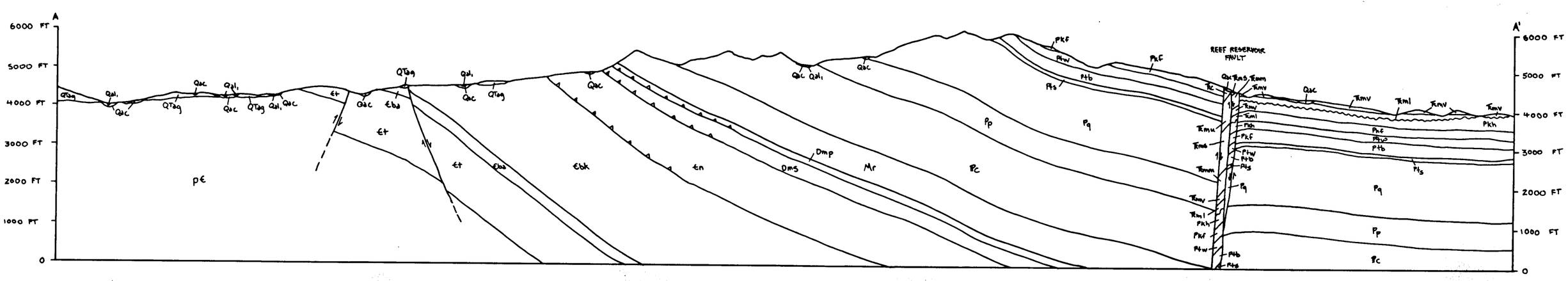
Syncline
showing trace of axial plane and direction of plunge

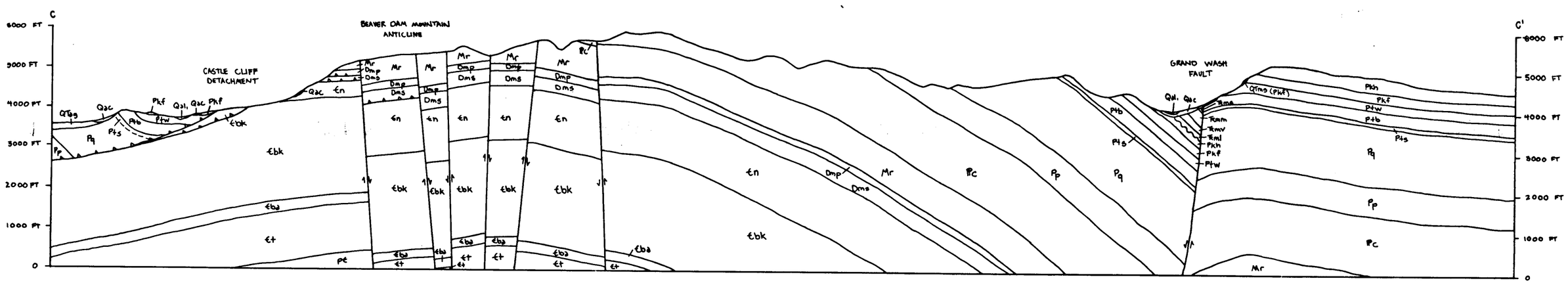
Anticline
showing trace of axial plane and direction of plunge

Adit

Shaft

Prospect





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