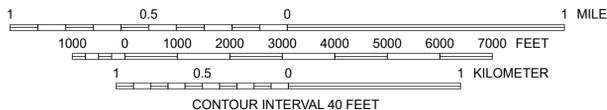
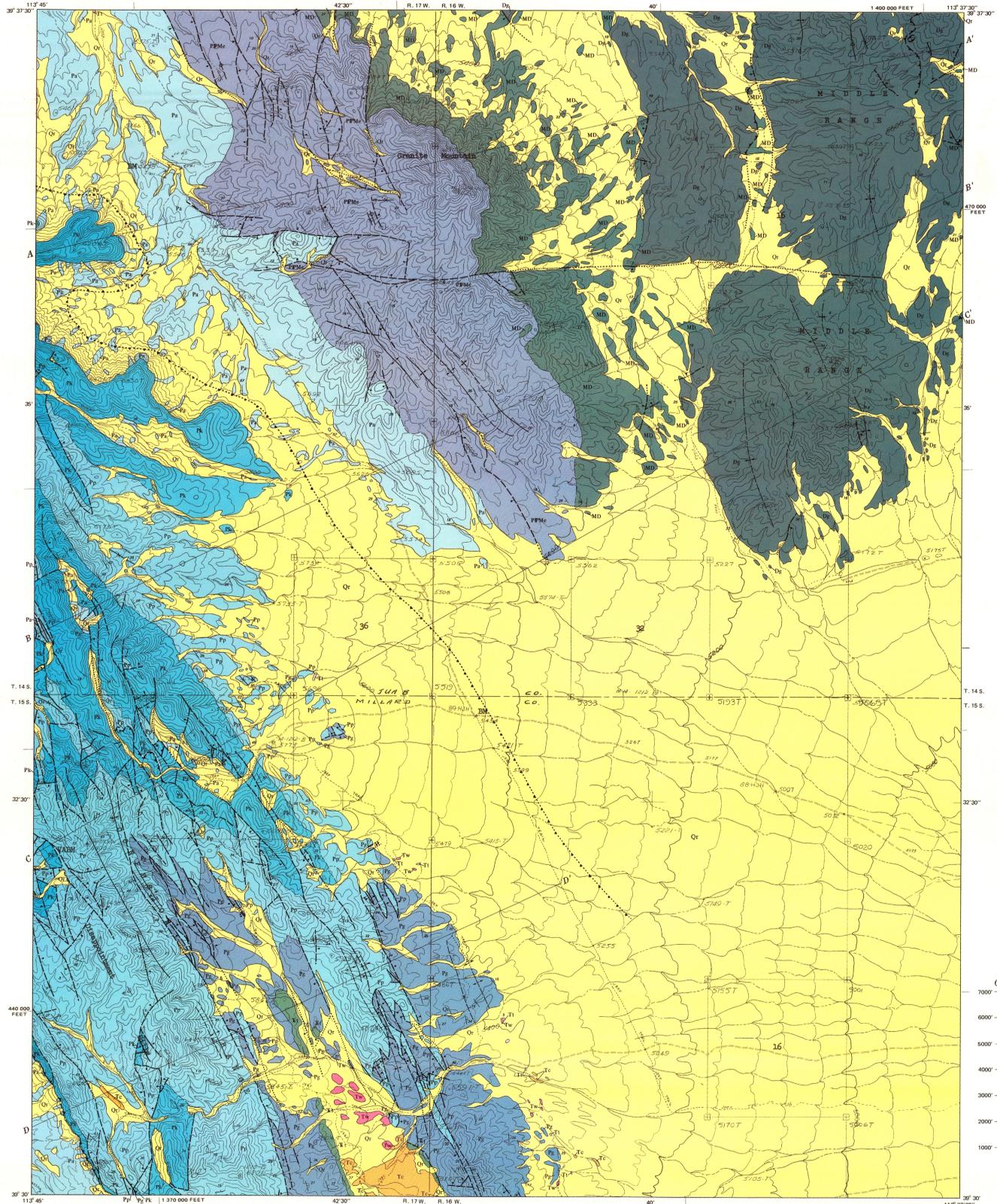


SCALE 1:24,000

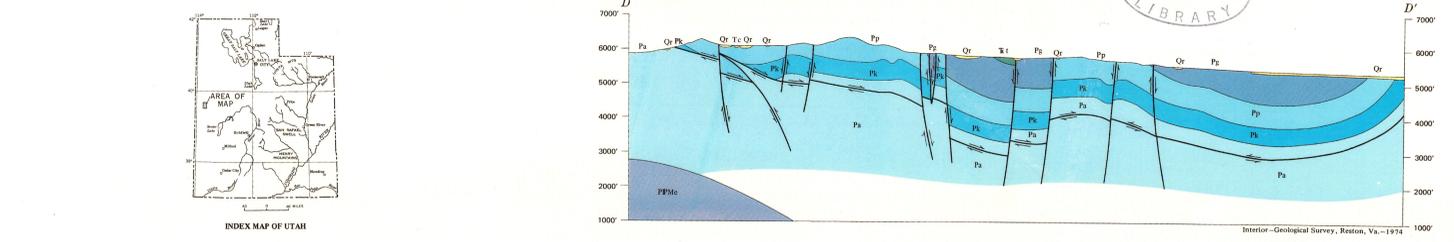
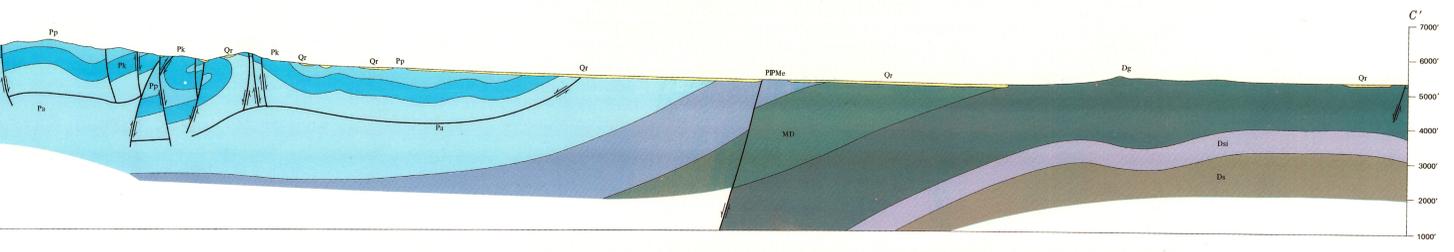
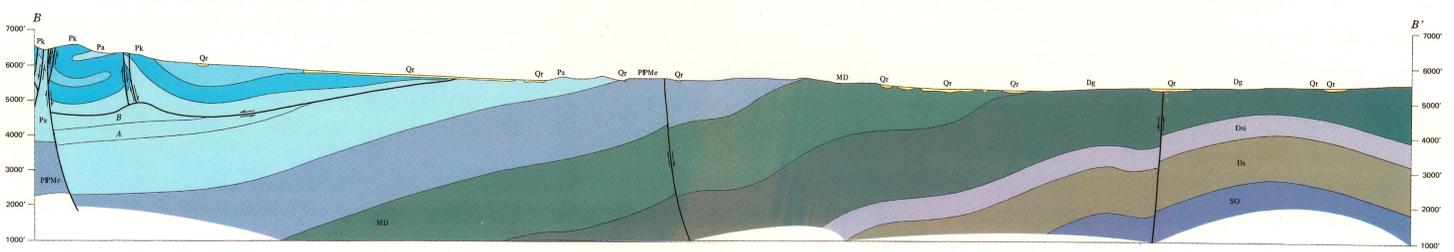
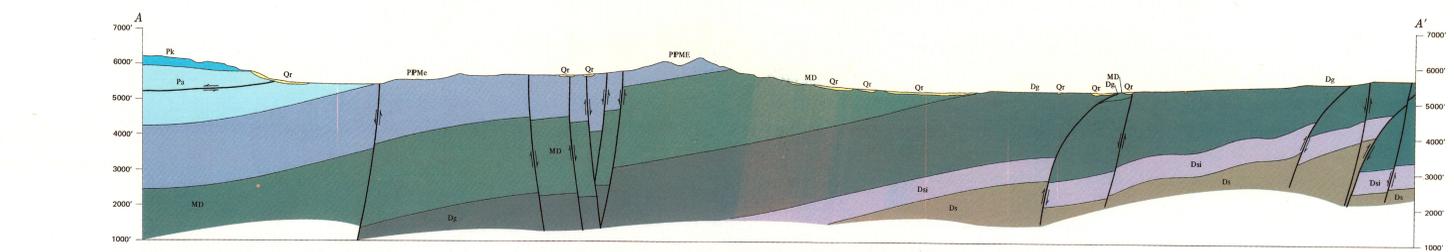


Utah Geological Survey Open-File Report 681DM
 Geologic map of the Granite Mountain SW quadrangle, Juab and Millard Counties,
 Utah (GIS reproduction of USGS Map I-831)
 by
 Richard K. Hose
 2018



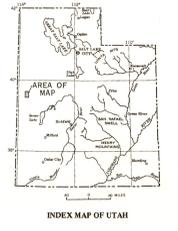
CORRELATION OF MAP UNITS		DESCRIPTION OF MAP UNITS		SUBSURFACE UNITS	
Or	Quaternary	Or	UNCONSOLIDATED MATERIAL OF DIVERSE ORIGIN	Dsl	SIMONSON DOLOMITE (Devonian) - Sugary textured pale-yellowish-brown dolomite at base with alternating dark-gray and light-gray laminated dolomite with medium-gray limestones; about 650 feet thick
Tc	Floccene(?)	Tc	CONGLOMERATE - Moderately well indurated; derived from Paleozoic and Cenozoic units	Ds	SEVY DOLOMITE (Devonian) - Evenly-bedded, very fine grained light-gray to yellowish-gray dolomite with quartzite lenses in the upper 30 feet; about 1,300 feet thick
Tt	Tertiary	Tt	TUFF - Airfall, poorly indurated; associated with underlying welded ash-flow	SO	LAKETOWN DOLOMITE AND FISH HAVEN DOLOMITE, UNDIVIDED (Silurian and Ordovician) - Medium-dark-gray medium-grained dolomite and sugary textured yellowish-gray dolomite, about 1,625 feet thick in areas to the south
Tw	Oligocene	Tw	WELDED ASH-FLOW TUFF - Rhyolitic crystal-vitric ash-flow tuff colored pastel shades of red and gray. Contains abundant biotite and hornblende		
Pp	Triassic	Pp	PLYMPTON FORMATION - Yellowish-gray to very light-gray cherty dolomite, chert, as beds and nodules; some reddish and yellowish siltstone, 690 feet thick		
Pk	Permian	Pk	KARBAB LIMESTONE - Massive, resistant, light-gray, coarse-grained, organic detrital limestone; 500 feet thick		
Pf	Park City Group	Pf	ARCUTUS FORMATION (Permian) - Yellowish-gray, calcareous, fine-grained sandstone containing ledge-forming beds of dolomite and limestone (two of which are labeled A and B in section B-B') and some gypsum; about 3,000 feet thick		
PPMe	Pennsylvanian	PPMe	ELY LIMESTONE OF HOSE AND REPENNING (1959) (Permian, Pennsylvanian, and Mississippian) Includes the equivalent of the Permian Riepe Spring Limestone of Steek (1960). Medium- to yellowish-gray, leagy, cherty, organic, detrital limestone, with slope-forming units of silty limestone, fossiliferous; 1,800-2,000 feet thick		
MD	Mississippian	MD	CHAINMAN AND PILOT SHALES, UNDIVIDED (Mississippian and Devonian) - Consists of a lower light-grayish-yellow dolomitic siltstone and an upper series of very dark-gray shale and dark-gray fine-grained bituminous limestone, fossiliferous; about 2,100 feet thick. Juana Limestones, which commonly separates these formations, is absent in map area		
Ds	Devonian	Ds	GUILMETTE FORMATION (Devonian) - Medium-dark-gray subthigraphic limestone and olive-gray medium-grained dolomite, locally fossiliferous; about 2,000 feet thick		
Dp	Silurian and Ordovician	Dp			

CONTACTS
 Contact - Dotted where concealed
 Fault - Dashed where poorly exposed or inferred, dotted where concealed. Bar and ball on downthrown side, queried where doubtful. Arrows show direction of relative movement
 Low-angle fault - Dashed where poorly exposed or inferred; dotted where concealed. Sawtooth on upper plate
 Anticline - Showing approximate position of axial trace. Dotted where concealed
 Crest of minor anticline - Dashed where approximate; dotted where concealed
 Syncline - Showing approximate position of axial trace; dotted where concealed
 Trough of minor syncline - Dashed where approximate; dotted where concealed
 Strike and dip of beds
 Inclined
 Overturned



**GEOLOGIC MAP OF THE GRANITE MOUNTAIN S.W. QUADRANGLE,
JUAB AND MILLARD COUNTIES, UTAH**

By
Richard K. Hose
1974



U.S. GEOLOGICAL SURVEY
RESTON, VA
JUN 25 1975
LIBRARY

Utah (Granite Mt. S.W. quad.). Map I-831. 1974. 1:24,000. 1 sheet. 1974. 3 1818 00176299 4