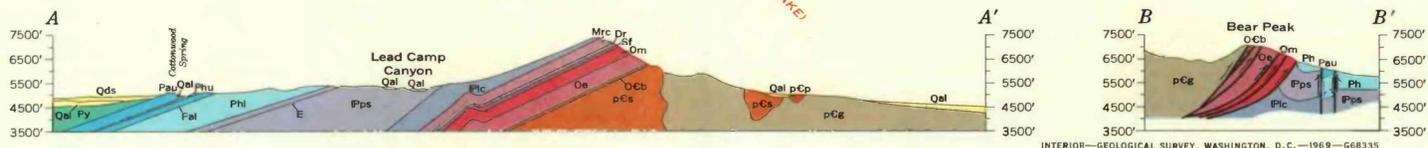


Base from U.S. Geological Survey  
Bear Peak, 1948

Geology by G. O. Bachman  
and D. A. Myers, 1961-62

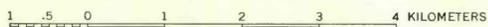
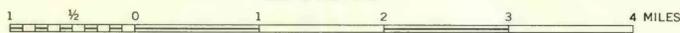
EXPLANATION

Pleistocene(?) and Holocene	Qc	Colluvium	Qal	Alluvium Clay, sand, and gravel. May include some rocks of late Tertiary age	Qds	Dune sand	QUATERNARY
	Tlr	Love Ranch Formation Interbedded conglomerate and calcareous sandstone, e. exotic block of Paleozoic limestone	Ti	Dike	Tr	Rhyolite Chiefly sills	
Leonard	Kr	Sandstone and gray to black shale	Py	Yeso Formation Gypsum, gray crystalline limestone, and gray shale			CRETACEOUS
	Wolfcamp	Ph	Hueco Formation Gray limestone, shale, and yellow sandstone	Upper tongue Locally limestone tongues of Hueco shown in upper tongue of Abo Formation (Pau)	Abo Formation Upper tongue Reddish-brown sandstone, siltstone, and shale. Locally red-bed tongue of upper tongue of Abo shown in upper tongue of Hueco Formation (Phu) Lower tongue Reddish-brown sandstone, siltstone, and shale		PERMIAN
Phi		Lower tongue	Panther Seep Formation Shale, limestone, sandstone, and siltstone A and B, beds of gypsum				PENNSYLVANIAN
IPlc		Lead Camp Limestone Massive cliff-forming cherty limestone. Includes at base interbedded limestone, shale, sandstone, and conglomerate					
Lower(?), Middle, and Upper Pennsylvanian	Mrc	Rancheria Formation of Laudon and Bowsher (1941), Lake Valley Limestone, and Caballero Formation of Laudon and Bowsher (1941) Limestone, cherty limestone, and nodular limestone			MISSISSIPPIAN		
	Middle and Upper Silurian	Dr	Shale, siltstone, limestone, and fine-grained sandstone			DEVONIAN	
Middle and Upper Ordovician		St	Fusselman Dolomite Cherty dolomite			SILURIAN	
	Lower Ordovician	Om	Montoya Dolomite Dolomite, cherty dolomite, and sandstone			ORDOVICIAN	
Upper Cambrian and Lower Ordovician		Oe	El Paso Formation Dolomite and dolomitic limestone			CAMBRIAN AND ORDOVICIAN	
	PRECAMBRIAN	Ocb	Bliss Sandstone Interbedded sandstone, quartzite, and shale			CAMBRIAN AND ORDOVICIAN	
pCd		Diorite(?)	pCp	Pegmatite	pCg		GRANITE AND GNEISSIC GRANITE
pCs	Hornblende schist			pCs			
Contact, showing dip Dashed where approximately located		Thrust or high-angle reverse fault Approximately located. Sawteeth on upper plate			Inclined Vertical Overturned Strike and dip of beds		
Fault Dashed where approximately located; dotted where concealed; queried where probable. Bar and ball on downthrown side. Arrows show direction of relative horizontal movement		Folds Anticline      Syncline Showing trace of axial plane. Dashed where approximately located; dotted where concealed		Strike and dip of foliation Inclined Vertical Strike and dip of major joint system			
				Breccia			
				Mine			

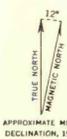


GEOLOGY OF THE BEAR PEAK AREA, DONA ANA COUNTY, NEW MEXICO

SCALE 1:62 500



CONTOUR INTERVAL 25 FEET  
DATUM IS MEAN SEA LEVEL



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1969—G68335