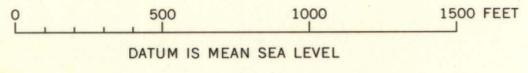


Base and sections from  
Peru Mining Co.

Geology by S. G. Lasky, 1947-49



EXPLANATION

	Tcfa
	Tcfb
	Tcfc

Quartz latite porphyry of Copper Flat composite pluton  
Tcfu, quartz latite porphyry, undifferentiated; in sections only  
Tcfa, biotite quartz latite porphyry without quartz or orthoclase phenocrysts  
Tcfb, biotite quartz latite porphyry, fine- to medium-grained; contains quartz and sparse orthoclase phenocrysts  
Tcfc, biotite quartz latite porphyry, medium- to coarse-grained; contains abundant large quartz and orthoclase phenocrysts

	Tcfd
	Tcfe

Quartz latite porphyry dikes  
Tcfd, hornblende quartz latite porphyry containing plagioclase and orthoclase phenocrysts  
Tcfe, hornblende quartz latite porphyry containing abundant quartz and orthoclase phenocrysts

Hornblende quartz diorite sill (later quartz diorite of Lasky, 1936)  
Shown only in sections

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Magdalena Group  
Pm, unaltered  
Pma, actinolite-tremolite facies  
Pmm, marble facies  
Pmg, garnet-hornfels facies

TERTIARY  
CRETACEOUS  
PENNSYLVANIAN  
CARBONIFEROUS

Contact, showing dip  
Dashed where inferred or gradational

Fault, showing dip  
Dashed where approximately located. U, upthrown side; D, downthrown side

Sheeted zone, showing dip  
Either shear or joint sets

Anticline, showing position of crest  
Dashed where approximately located

Syncline, showing position of trough  
Dashed where approximately located

Strike and dip of beds  
12      80      ⊕  
Inclined      Overturned      Horizontal

Strike and dip of foliation  
70

Bedding in sections

Strike and dip of joints  
70      ⊕  
Inclined      Vertical

Mineralized fissure

Silicified zones

Pervasive hematite and quartz

Intense kaolinization

Altered areas in pluton

Shaft

Diamond-drill hole

Building

Mine dump

Dirt road

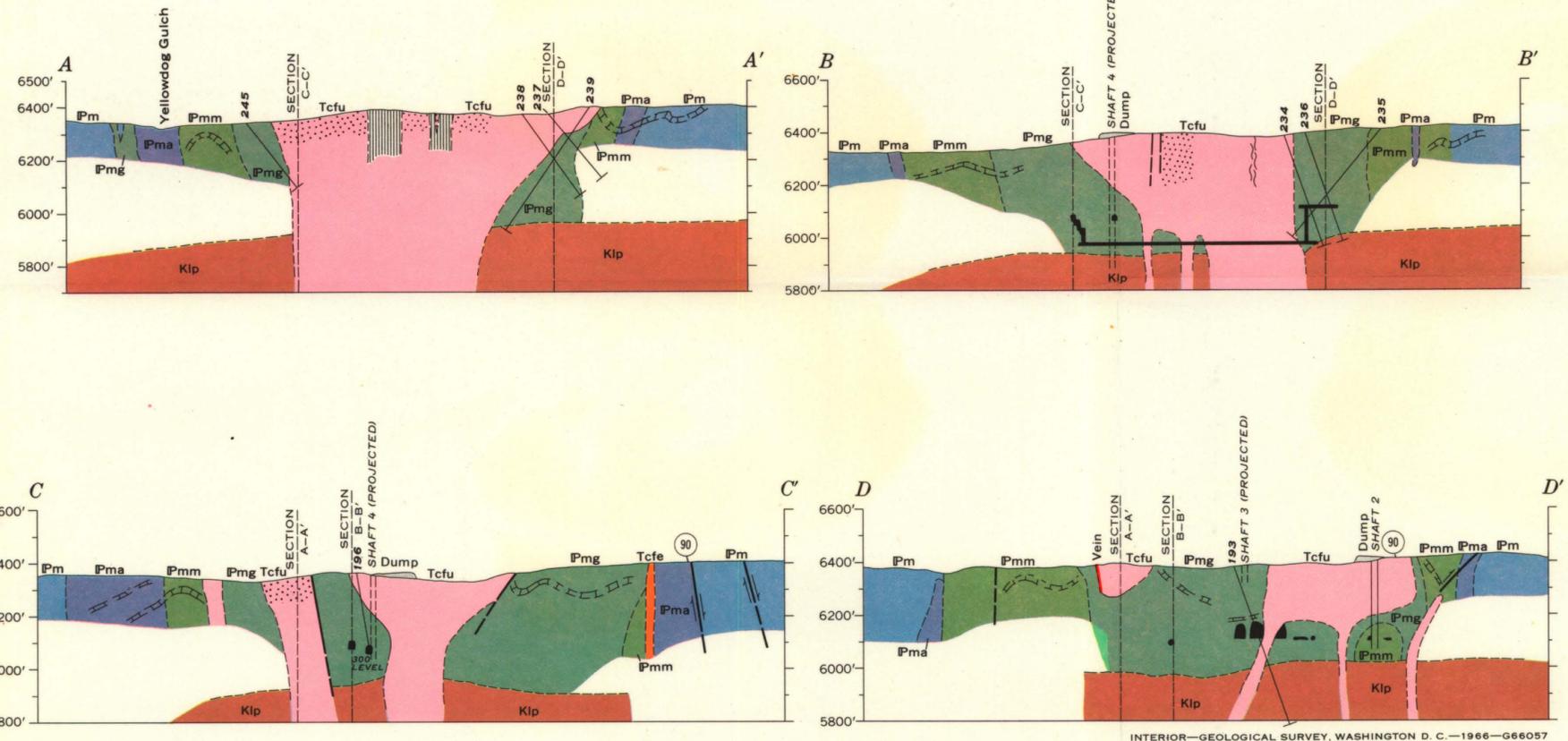
Workings on map

Shaft

Diamond-drill hole

Mine workings

Workings in sections



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON D. C.—1966—G66057

GEOLOGIC MAP AND SECTIONS OF THE COPPER FLAT AREA, SANTA RITA QUADRANGLE  
GRANT COUNTY, NEW MEXICO