



EXPLANATION		
SEDIMENTARY ROCKS		
Qyal	Younger alluvium	QUATERNARY
Qoa	Older alluvium and talus	QUATERNARY
QTa	Gila conglomerate	TERTIARY
Tw	Whitetail conglomerate	TERTIARY(?)
Nl	Naco limestone	CARBONIFEROUS
Cs	Escabrosa limestone	DEVONIAN
Ma	Martin limestone	CAMBRIAN
Tq	Troy quartzite	PRECAMBRIAN
PCa	Dripping Spring quartzite Includes Barnes conglomerate at base	PRECAMBRIAN
PCb	Pioneer formation Includes Soanin conglomerate at base	PRECAMBRIAN
METAMORPHIC AND IGNEOUS ROCKS		
QTB	Olivine basalt	TERTIARY(?)
Td	Dacite	TERTIARY(?)
Tdt	Dacite Includes tuff at base, Tdt	TERTIARY(?)
Gp	Granite porphyry	MESZOZOIC OR TERTIARY
Dp	Diorite porphyry	MESZOZOIC OR TERTIARY
bd	Porphyritic basic dikes Intrusive in quartz monzonite	MESZOZOIC OR TERTIARY
db	Diabase	MESZOZOIC OR TERTIARY
Al	Alakite As dikes and small masses in quartz monzonite	MESZOZOIC OR TERTIARY
IB	Intrusive breccia Granodiorite included in quartz monzonite porphyry	MESZOZOIC OR TERTIARY
qmp	Quartz monzonite porphyry	MESZOZOIC OR TERTIARY
qm	Porphyritic quartz monzonite	MESZOZOIC OR TERTIARY
gd	Granodiorite	MESZOZOIC OR TERTIARY
G	Granite Probably metamorphosed arkose underlying Apache group	PRECAMBRIAN
G'	Granite Somewhat metamorphosed, intrusive into Pinal schist	PRECAMBRIAN
PCs	Pinal schist	PRECAMBRIAN
—	Contact, showing dip	
- - -	Dashed where approximately located	
- - - - -	Concealed contact	
- - - - -	Fault, showing dip	
- - - - -	Dashed where approximately located	
U	Upthrown side; D, Downthrown side	
—	Vertical fault	
- - - - -	Concealed fault	
- - - - -	Doubtful fault	
—	Shear zone	
—	Strike and dip of beds	
—	Strike and dip of overturned beds	
—	Strike of vertical bed	
—	Horizontal bed	
—	Strike and dip of foliation	
—	Strike of vertical foliation	
o	Churn-drill hole	
Y	Adit	
—	Mine dump, excavation, or artificial fill	
- - - - -	Dashed contours indicate surface as of November 1948	
—	Bench levels	

GEOLOGIC MAP OF THE CASTLE DOME AREA, GILA COUNTY, ARIZONA

Geology by N. P. Peterson, C. M. Gilbert, G. L. Quick, and J. P. Albers

500 0 2000 Feet
Contour interval 25 feet
(Datum is mean sea level)