



EXPLANATION		
Pleistocene or Recent	Qal	QUATERNARY
	ALLUVIUM	
	Pediment and stream deposits	
	UNCONFORMITY	
Miocene or Pliocene	Tg	
	GRAVELS and TUFFS	
	Poorly cemented gravels and interbedded tuff and tuff	
	UNCONFORMITY	
Oligocene	Tal, Tt	
	ATASCOSA FORMATION	
	Tal, tuff member, rhyolite ash flow tuffs	
	DISCONFORMITY	
	RHYOLITE DIKES and PLUGS	
	Porphyritic rhyolite and tuffaceous rhyolite	
Paleocene (?) or Eocene (?)	Tmpg, Tmp, Tmpd	
	MONTANA PEAK FORMATION	
	Tmpg, upper flow member, dacite flows	
	Tmpg, upper dacite tuff member	
	Tmpg, lower flow member, dacite and andesite flows	
	Tmpg, lower dacite tuff member	
	Tmpg, andesite member, flows and pyroclastics	
	UNCONFORMITY	
	BLUE RIBBON DIKES	
	Hornblende andesite dikes	
	UNCONFORMITY	
	SIDEWINDER QUARTZ MONZONITE	
	Quartz monzonite porphyry dikes and plugs	
Middle or Upper Cretaceous	Kr	
	RUBY DIORITE	
	Hornblende diorite and hornblende andesite sills	
Lower Cretaceous	Koa, Kac, Koc	
	ORO BLANCO FORMATION	
	Koa, upper conglomerate member	
	Koa, sandstone and siltstone member	
	Koa, sandstone member	
	Koc, Oro Blanco conglomerate member	
	UNCONFORMITY	
	WARSAW QUARTZ MONZONITE	
	Equigranular leuco-quartz monzonite and microcrystalline quartz monzonite	
	UNCONFORMITY	
	JURASSIC (?)	
	COBRE RIDGE TUFF	
	Jcw, glass member, glass and pyroclastic sandstone	
	Jcw, welded tuff member, quartz siltstone welded and non-welded tuff member, interbedded sandstone	
	Jcr, rhyolite member, non-welded rhyolite tuff and minor welded quartz siltstone tuff	

**GEOLOGIC MAP**  
**ORO BLANCO MINING DISTRICT**  
**SANTA CRUZ COUNTY, ARIZONA**

JULY, 1969

4 inches = 1 mile      1:15,840

Contour Interval 100 Feet

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UNITED STATES  
MEXICO

SYMBOLS

—	Contact, showing dip, dashed where approximately located, dotted where concealed	—	Strike and dip of beds
—	Fault, showing dip, dashed where approximately located, dotted where concealed	—	Normal
—	Vein, showing dip	—	Vertical
—	Silicified zone, showing general strike and dip	—	Overturned
—		—	Strike and dip of foliation
—		—	Normal
—		—	Vertical
—		—	Trend and plunge of lineation
—		—	Horizontal

Base map from U.S. Geological Survey  
Oro Blanco and Ruby Quadrangles

Geology by Louis H. Knight, 1968-1969