

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



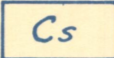



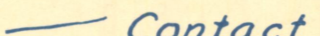
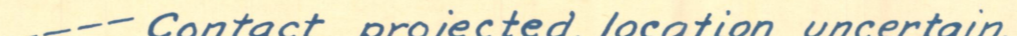
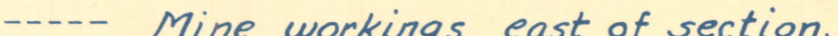

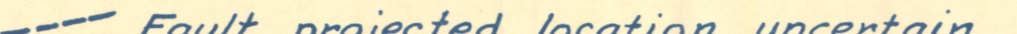
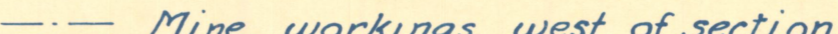

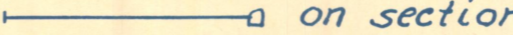


STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP

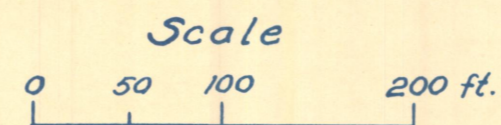
BUREAU OF MINES PROJECT No. 1419

CROSS-SECTIONS OF CHRISTMAS COPPER MINE

PLATES 10 to 21²²

EXPLANATION

 Quartz-mica-diorite	 Andesite or basalt dikes	
 Limestone and shale	 Andesitic volcanic rocks	
 Alluvium and talus	 Ore	
 Contact	 Contact projected, location uncertain.	 Mine workings east of section.
 Fault	 Fault projected, location uncertain.	 Mine workings west of section.
 Fracture zone	Drill holes, Bureau of Mines and Mudd.	
	 on section	
	 east of section	
	 west of section	



Geology by N. P. Peterson and R. W. Swanson