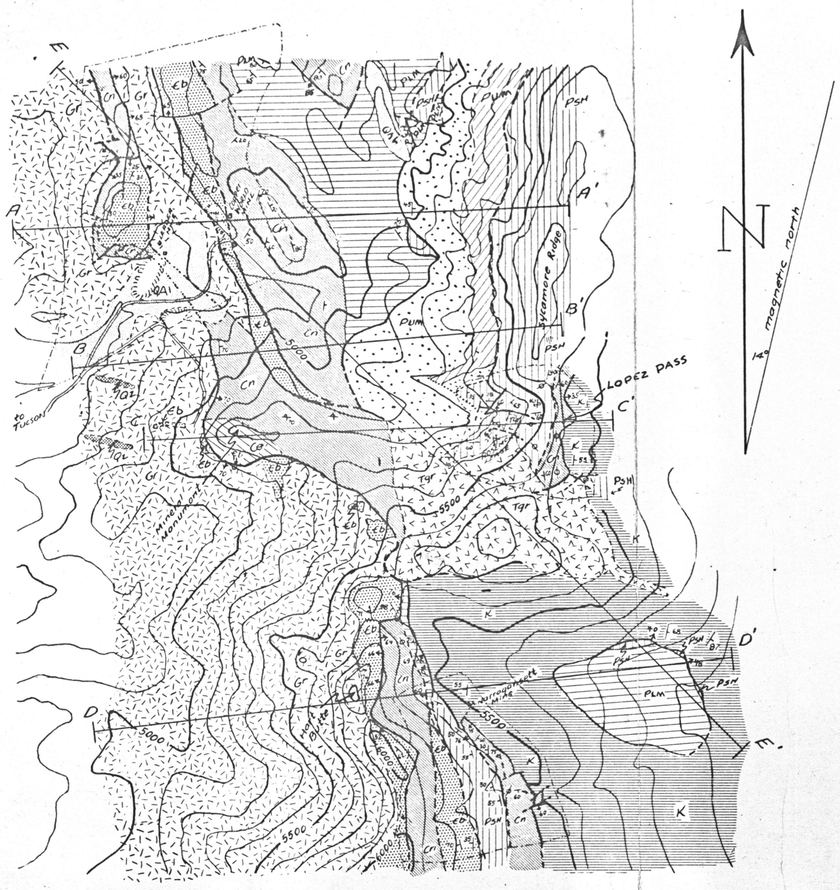

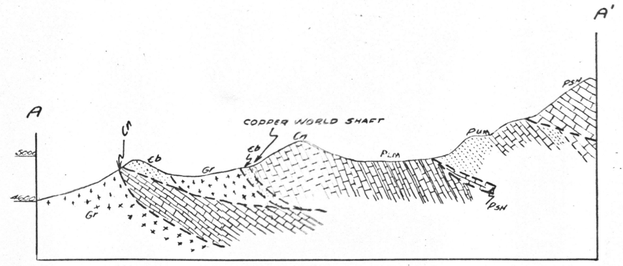

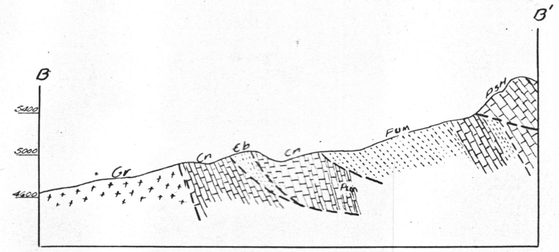

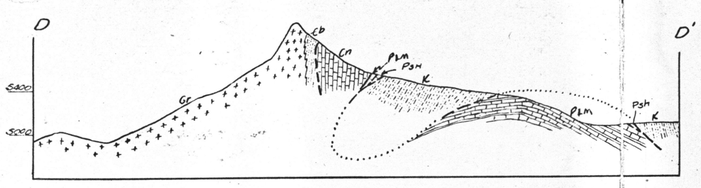

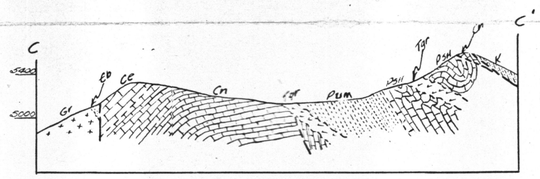

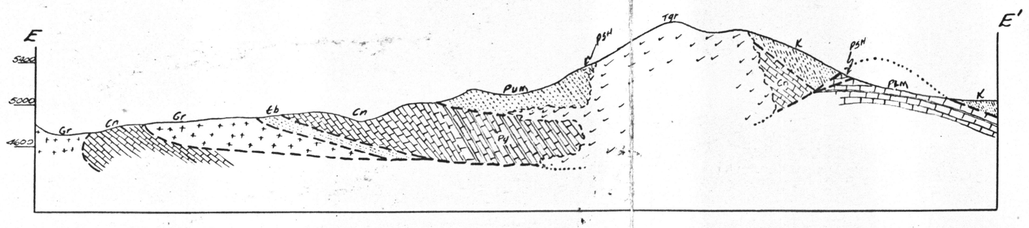

0 200 400 600 800 1000 2000 3000 4000 5000 feet

Scale: 1/12,000

contour interval 100 feet

EXPLANATION

QUATERNARY	QAl	Alluvium
CRETACEOUS	K	Clastic sedimentary rocks
	UNCONFORMITY	
PERMIAN	Psh	Snyder Hill formation of Stoyanow
	Pum	"Upper Manzano" beds
	Plm	"Lower Manzano" beds
PENN.	Cn	Naco limestone
MISS.	Ce	Escabrosa formation
CAMBRIAN	Eb	Bolsa quartzite
	Qz	Aplite or recrystallized quartzite
	Gr	Post Paleozic granite, monzonite and quartz monzonite undifferentiated
	Tqr	Cretaceous or post Cretaceous quartz monzonite porphyry

Intrusive contact

Contact, dashed where location is uncertain

Fault, dashed where location is uncertain, dotted where inferred

Vertical beds — Strike and dip of overturned beds

Strike and dip of beds

Shaft

Boundary of areas covered by large scale maps

Mine dump

NOTE: Topography does not agree with large scale maps. Geologic contacts were transferred from aerial photographs to the topographic base map and their location is only approximate.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

GENERALIZED GEOLOGIC AND TOPOGRAPHIC MAP AND SECTIONS
OF THE AREAS ADJACENT TO THE
ROSEMONT LEASE AND LEADER, COPPER WORLD AND NARRAGANSETT MINES
HELVETIA MINING DISTRICT, PIMA COUNTY, ARIZONA

GEOLOGY BY: S. C. Creasey U.S.G.S.
G. L. Quick U.S.G.S.

TOPOGRAPHY FROM: Graduate student theses
University of Arizona

APRIL 1943

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