



EXPLANATION

- Qal Alluvium
 - Plm Lower Manzano equivalent
 - Pn Naco limestone (restricted); interbedded limestone and hornfels
 - Cb Bolsa quartzite
 - gr Monzonite and granite, locally porphyritic
 - qz Granular quartz
- Contact, dashed where approximately located
 Fault, showing dip; dashed where approximately located
 Strike and dip of beds
 Vertical shaft
 Inclined shaft
 Mine workings
 Opencut
 Dump
 Claim corner, approximately located

QUATERNARY
PERMIAN
PENNSYLVANIAN
CAMBRIAN

Topography by H. H. Sullwold and G. L. Quick, 1943

Geology by S. C. Creasey, 1943

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C. M R-7621

GENERALIZED GEOLOGIC MAP AND SECTION OF THE AREA ADJACENT TO THE COPPER WORLD AND LEADER MINES, HELVETIA MINING DISTRICT, PIMA COUNTY, ARIZONA

