



EXPLANATION

- ALLUVIUM al
- GREEN GARNET gg
- BROWN GARNET g
- GRAY PORPHYRY p
- GRANITE gr
- HORNFELS & MARBLE hm
- MARBLE & HORNFELS mh
- WHITE MARBLE wm
- BLUE LIMESTONE bl
- CHERTY LIMESTONE & QUARTZITE chq
- GRAY MARBLE gm
- BUFF LIMESTONE bfl
- CHERTY SHALE cs
- MOTTLED BLUE LIMESTONE mbl
- NOVACULITE nov
- DARK-BROWN SHALE & QUARTZITE db
- DARK-BROWN QUARTZITE dq
- LIGHT-BROWN QUARTZITE lb
- GNEISS gn
- LIMESTONE ls
- CHRYSOCOLLA chrys
- IRON OXIDE Fe ox
- MANGANESE Mn
- SLIGHT sl
- MINERALIZED FISSURE —

NOVEMBER 1942

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF MINES**  
 ARIZONA DISTRICT

**TWIN BUTTES—COPPER**  
**PROJECT 1412**  
 REVISED

BY	DATE	BY	DATE
JEC	11-16-42		