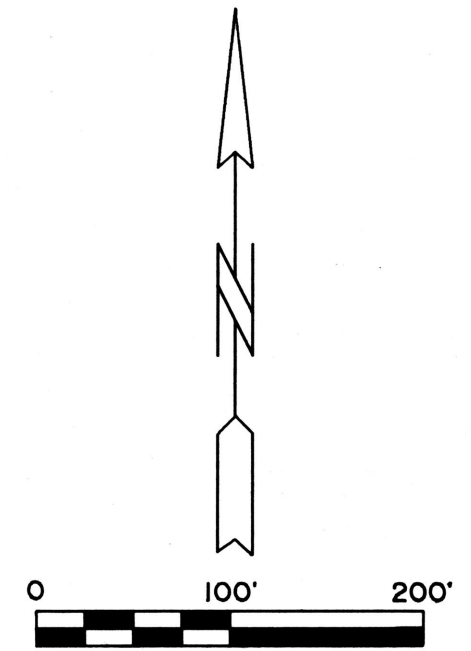


- F FRESH
- W WEAKLY ALTERED
biotite fresh to weakly altered
slight specularite pseudomorphs after biotite
weak specularite replacement of feldspar
silica veinlets
- M MODERATELY ALTERED
biotite absent
specularite pseudomorphs after biotite
moderate/strong sericite replacement of feldspar
silica veinlets
- S STRONGLY ALTERED
argillic, kaolinite, clay alteration
specularite altered to hematite
- AS ABOVE
overprint of interstitial to pervasive
silica with minor quartz veining
- LIMONITE PSEUDOMORPHS
limonite pseudomorphs of pyrite and red/orange
hematite of oxidized specularite/pyrite

- +0 MAJOR QUARTZ VEINS, with strike and dip
- +0 YARNELL FAULT, as mapped with strike and dip
- +0 YARNELL FAULT, as projected
- +0 YARNELL FAULT, as inferred
- +0 MAJOR STRUCTURES, with strike and dip
- +0 JOINTING, with strike and dip



**ASARCO Incorporated
YARNELL PROJECT
GEOLOGY MAP
YAVAPAI CO., ARIZONA**