


EXPLANATION

<p>Lithology</p> <p>QUATERNARY</p> <p>Qal Alluvium; sand, gravel, talus, and fan debris undivided.</p> <p>Qopg Pediment and terrace gravels; partially consolidated to well-indurated boulder-cobble conglomerates. Often hosts Au placers.</p> <p>CRETACEOUS - TERTIARY</p> <p>TKas Unconformity Kyanite-sericite schist; white, well-foliated sericite schist with a talcose luster. Subordinate amounts of kyanite, garnet, tourmaline, quartz and rutile present. (May be alteration product?)</p> <p>TKsl Schist; quartz-sericite and quartz-pyrophyllite schist with albite or K-spar spryrite. Cataclastically derived from all older units.</p> <p>TKsl Fault surface; annealed low-angle fault surface. Composed of Kmp, Kgw, Krd, and other units, has rhyolite composition.</p> <p>CRETACEOUS</p> <p>Kmp Low Angle Fault McCoy Mtn Fm, meta-arkose unit; coarse-grained, grey-green, thick-bedded arkose with rounded quartz pebble clasts.</p> <p>Kmc McCoy Mtn Fm, meta-conglomerate unit; stretched pebble conglomerate with elongated clasts of Paleozoic (?) or Precambrian (?) schist, cataclastic greywacke, and quartz monzonite porphyry with rare clasts of aplite, mafic tuff, and carbonates (Paleozoic?).</p> <p>Kjd Dacite flow-dome complex; fine-grained, equigranular, grey-green, biotite-rich, sequence of unbedded to poorly bedded, meta-dacite flows or flow-domes.</p> <p>Low Angle Fault</p>	<p>STRUCTURE</p> <p>Contact, showing dip; dashed where approximate, dotted where concealed.</p> <p>Fault, high angle showing dip and trend of slickensides; dashed where approximate, dotted where concealed.</p> <p>Fault; low angle showing dip with barbs on upper plate; dashed where approximate, dotted where concealed.</p> <p>Bedding; strike and dip of inclined beds.</p> <p>Foliation; strike and dip of foliation planes.</p> <p>Cleavage; strike and dip of penetrative cleavage.</p> <p>Pencil cleavage; bearing and plunge.</p> <p>MISCELLANEOUS</p> <p>Sample location for whole rock analysis</p> <p>Drill hole; vertical</p> <p>Drill hole; inclined</p>	<p>MINERALIZATION - ALTERATION</p> <p>Fault-vein with quartz and oxidized sulfides; dashed where approximate.</p> <p>Accessory minerals in veins as follows: • magnetite, • specularite, • oxidized copper minerals, • tourmaline Ba, barite, ct, calcite.</p> <p>Alteration in veins and on selvages as follows: //: biotite, /: sericite, a: alunite, c: clays epidote, chlorite</p> <p>Pervasive Alteration</p> <p>Advanced phyllic; quartz-sericite</p> <p>Phyllic; quartz-sericite/clay-alunite</p> <p>Argillic; clay-calcite ± pyrophyllite</p> <p>Propylitic; chlorite, epidote, calcite, strong on left, weak on right</p>
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 Gulf Mineral Resources Co.
 0 500 1000 2000 ft.
 SCALE 1:12,000

QUARTZITE - SUGARLOAF PEAK PROSPECT
 Yuma County, Arizona
 JOE WILKINS 16 AUGUST, 1982