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LEGEND

CENOZOIC

- Qal Quaternary alluvium
- Qg Quaternary gravels
- Ta Dikes of andesite to basaltic composition
- Tl Dikes of latitic composition, fine grained to porphyritic, banded to brecciated, pink to red
- Td Dikes of dacitic composition, a.g., gray to pink
- Tr Thick flows and tuffs of rhyolitic composition, including lithic tuff breccias, vitrophyres, and flow banded rhyolites
- Tb Basaltic to andesitic flows, commonly vesicular, black to green with interbedded sandstone and conglomerate
- Ts Sediments of variable types: Sandstone, conglomerate, limestone (Tls), including interbedded tuffs (Tt) and thin basalts

MESOZOIC

- Kg Granite, f.g. to m.g. biotite-rich 85±5 Ma (Exxon K/Ar date)
- Kd Diabase, plagioclase and amphiboles, a.g. possibly Tertiary

PALEOZOIC

- Pk Kaibab limestone, blue-gray and cherty white ls. Gastropods and Brachiopods
- Pc Coconino sandstone, fractured white meta-sandstone and siltstones
- Ps Supai fm., dark massive worm eaten limestones and faintly interbedded limestone and limy siltstone. Weathering to medium brown colors

- x Indicates brecciation
- Strike and dip of bedding
- Strike and dip of bedding in volcanics
- Fault showing dip angle, dot on downthrown side, red color-mineralization
- Low-angle fault, hatches on upper plate
- Drill hole

KENNECOTT EXPLORATION

GEOLOGIC MAP OF THE TOUGH NUT, SOUTHERN CROSS, AND CLIMAX MINES IN THE EASTERN PLOMOSA MOUNTAINS
LA PAZ COUNTY, ARIZONA
IBEX PEAK 7½ QUADRANGLE

25 APRIL 1991
JOEY WILKINS
LARRY BARRETT

0 250' 500' 1000'

SCALE 1:6000