

Geologic map of the Oracle Junction 7.5' Quadrangle and the eastern third of the Tortolita Mountains 7.5' Quadrangle, Pima and Pinal Counties, Arizona

by
Steven J. Skotnicki
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UNIT DESCRIPTIONS

Quaternary Deposits

- d disturbed by human activity
- Q₂ Late Holocene alluvium
- Q₁ Middle to early Holocene alluvium
- Q_y Holocene alluvium, undivided (<10 ka)
- Q_{yl} Late Pleistocene to early Holocene alluvium
- Q_{l2} Late Pleistocene alluvium, younger member
- Q_{l1} Late Pleistocene alluvium, older member
- Q_l Late Pleistocene alluvium, undivided (10 to 130 ka)
- Q_{m2} Middle Pleistocene alluvium, younger member
- Q_{m1} Middle Pleistocene alluvium, older member
- Q_m Middle Pleistocene alluvium, undivided (130 to 750 ka)
- Q_{o2} Early Pleistocene alluvium, younger member (750 ka to 1.6 Ma)
- Q_{o1} Early Pleistocene alluvium, older member (750 ka to 1.6 Ma)

Tertiary Sedimentary and Volcanic Rocks

- T_{oy} Younger conglomerate
- T_{sg} Sandstone and conglomerate with granite clasts along Canada del Oro
- T_{og} Conglomerate with granite clasts north of Guild Wash Fault
- T_{op} Conglomerate with Pinal Schist clasts north of Guild Wash Fault
- T_{co} Older conglomerate north of Guild Wash Fault
- T_{cb} Conglomerate with basalt clasts
- T_b Basalt
- T_{ri} Intrusive rhyolite

Tertiary Intrusive Rocks

- T_{gf} Medium-grained felsic granitoid
- T_{gm} Fine-grained mafic granitoid
- T_g Medium- to coarse-grained granite (Granite of Derrio Canyon)
- T_{gc} Catalina Granite

Paleozoic? and Mesozoic? Sedimentary Rocks

- K_c Metaconglomerate (Glance Conglomerate of the Bisbee Group?)
- P_{zm} Marble (Mississippian Escabrosa Limestone?)
- C_s Metasedimentary rocks, undivided (Cambrian Abrigo Formation?)
- C_q Quartzite (Cambrian Bolsa Quartzite?)

Middle Proterozoic Intrusive Rocks

- Y_d Diabase
- Y_g Coarse-grained granite

Early Proterozoic Metamorphic Rocks

- X_p Pinal Schist

Map Symbols

- inclined bedding
- prominent joints
- contact, dashed where approximately located
- fault, with attitude and lineation, dashed where uncertain, dotted where concealed
- primary metamorphic foliation, with lineation defined by mineral alignment and/or elongation
- primary metamorphic foliation, with lineation defined by crenulations or kink bands
- secondary metamorphic foliation
- alignment of inclusions in plutonic rocks
- n.f. not foliated
- area of microbrecciated T_{gf}
- dacite dike
- rhyolite dike
- area of abundant pegmatite dikes
- fine-grained leucocratic granite dikes
- quartz veins

