

Geologic Map of the Proposed State Route 95 Realignment Corridor, Mohave Valley, Arizona

Sheet 1 of 5: Parts of the Franconia
and Warm Springs SE Quadrangles

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Arizona Geological Survey Digital Geologic Map 65
(DGM 65)

1:24,000 scale

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Map Unit Descriptions

Piedmont Deposits

- Qy2** Late Holocene alluvium - Sand and gravel deposits in modern tributary channels, bars, low terraces, and alluvial fans
- Qy1** Early to late Holocene alluvium - Sand, gravel and silt deposits associated with low terraces and recently active alluvial fans
- Qys** Holocene reworked sand and fine gravel deposits - Young sand and fine gravel deposits derived from older Colorado River deposits
- Qy1** Early Holocene to late Pleistocene alluvium - Sand, gravel and silt associated with the youngest intermediate terraces
- Ql3** Late Pleistocene alluvium - Younger intermediate gravel and sand deposits associated with inactive alluvial fans and terraces
- Ql2** Older late Pleistocene alluvium - Intermediate-age gravel, sand and silt deposits associated with extensive relict alluvial fans and terraces
- Ql1** Middle Pleistocene alluvium - Oldest intermediate sand, gravel and silt associated with relict alluvial fans and terraces
- Qo** Early Pleistocene alluvium - Gravel, sand, and silt deposits with strong calcic soil development associated with high relict alluvial fans
- QTI** Pliocene to Pleistocene alluvial fan deposits from the Mohave Mountains - Gravelly fan deposits derived from northernmost Mohave Mountains
- Tlb** Late Miocene and Pliocene Black Mountain fan deposits - Moderately indurated tributary-fan gravel and sand deposits forming high, eroded ridges

Colorado River Deposits

- Tcb** Early Holocene Bullhead alluvium - Weakly to moderately indurated river sand, gravel and minor silt with a substantial component of tributary sand and gravel
- Tsc** Late Miocene-Pliocene fine grained sand and silt - Very fine sand and silty sand, locally calcareous, and very weakly indurated
- Tbo** Late Miocene-Pliocene Bouse Formation - White to buff-colored, very fine marl and silty to sandy marl, siltstone, clay, and calcareous sandstone of the Bouse Formation

Sacramento Wash Deposits

- Qy2** Late Holocene channel and bar deposits - Late Holocene sand, gravel, and minor silt deposits associated with active channels and bars of Sacramento Wash
- Qy1** Holocene floodplain and terrace deposits - Holocene sand, gravel and silt deposits associated with the floodplain and low terraces of Sacramento Wash
- Ql3** Younger late Pleistocene terrace deposits - Gravel, sand and silt deposits associated with low intermediate terraces of Sacramento Wash
- Ql2** Older late Pleistocene terrace deposits - Gravel, sand and silt deposits associated with intermediate terraces of Sacramento Wash
- Ql1** Middle Pleistocene terrace deposits - Gravel, sand and silt deposits associated with the highest preserved terraces of Sacramento Wash

Other Units

- d** Profoundly disturbed areas - Mines, tailings or ponds, and paved roads

Bedrock Units

- Tf** Fine-grained volcanic rocks and related deposits (Tertiary) - Tertiary lava flows, silts, tuffs and sedimentary rocks
- TKqp** Quartz porphyry shallow intrusions (Tertiary or Cretaceous) - Light-colored, northeast-trending intrusions within biotite granodiorite
- TKl** Biotite lamprophyre dikes (Tertiary or Cretaceous) - Dark, northeast-trending dikes
- Kbg** Biotite granite (Cretaceous) - Light gray, equigranular, medium-grained sphene-biotite granodiorite and monzogranite
- Xgd** Granodiorite augen gneiss (Early Proterozoic) - Medium to coarse-grained augen gneiss
- Xg** Gneiss, undivided (Early Proterozoic) - Gneiss, undivided
- Xgp** Pegmatite and monzogranite (Early Proterozoic) - Medium to coarse-grained, foliated monzogranite and pegmatite

MAP SYMBOL EXPLANATION

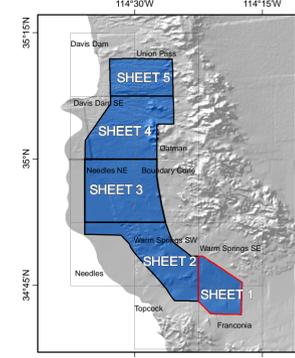
Contacts

- accurate contact
- - - approximate contact
- ▨ gradational contact
- highway alignments

Faults

- fault, low angle, accurate
- - - fault, low angle, approximate
- ⋯ fault, concealed
- map sheet boundary

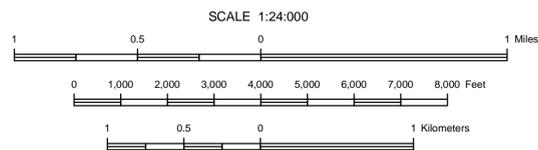
EXTENT OF MAPPED AREA SHOWN IN BLUE



ARIZONA COUNTIES



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