

SURFICIAL GEOLOGIC MAP OF RAINBOW VALLEY, MARICOPA COUNTY, ARIZONA

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Arizona Geological Survey Digital Geologic Map 71
(DGM-71), version 1.0

Sheet 1 of 3

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DGM-71, scale 1:24,000.

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and the Arizona Geological Survey)

Map Unit Descriptions

Piedmont Deposits

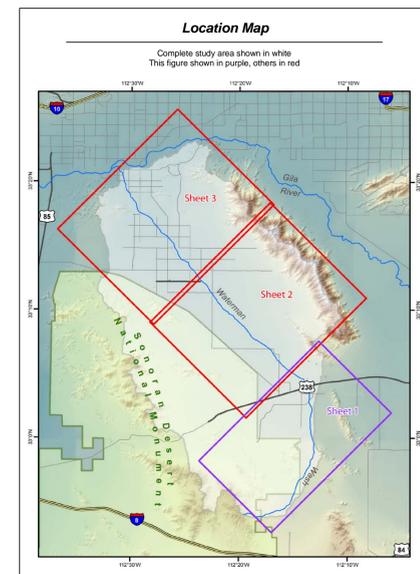
- Oy** Channels of large tributary washes - Moderately sorted sand, pebbles, silt, cobbles and some small boulders in channels and bars of larger tributary washes
- Oy1** Smaller active channels, bars and low terraces - Poorly sorted sand, silt, pebbles, cobbles with some small boulders in small channels, bars and adjacent terraces and sheetflood areas
- Oy2** Swales, sheetflood areas, and minor channels - Moderately sorted silt, sand, minor pebbles and cobbles associated with swales and sheetflood areas
- Oy3** Potentially active alluvial fans - Very poorly sorted sand, pebbles, cobbles and silt, with some boulders associated with young alluvial fans
- Oy4** Holocene inactive alluvial fans and terraces - Moderately sorted silt, sand, pebbles and cobbles with open to moderately packed pebble surface lags
- Oy5** Holocene eolian deposits over inactive alluvial fans - Sand, silt and clay eolian deposits over moderately sorted sand, silt, pebbles and cobbles
- Oy6** Holocene sheetflood areas and terraces, undivided
- Oy7** Holocene and Pleistocene alluvium in sheetflood areas - Fine grained, thin, discontinuous Holocene deposits over late to middle Pleistocene alluvium
- Oy8** Pleistocene and Holocene deposits on inactive alluvial fans - Gravely, varnished Pleistocene deposits with finer grained Holocene deposits in low areas on inactive alluvial fans and piedmont slopes
- Oy9** Late Pleistocene alluvial fans and terraces - Moderately dissected, gravely relict alluvial fans with weak to moderate soil development
- Oy10** Middle Pleistocene alluvial fans - Dissected gravely relict alluvial fan deposits with moderate to strong soil development
- Oy11** Pleistocene alluvial fans and terraces, undivided - Sand, gravel, silt and clay deposits on relict alluvial fans and terraces
- Oy12** Early Pleistocene alluvial fans - Deeply dissected pebble, cobble, sand and silt boulders with variable soil development
- Oy13** Late Tertiary to early Quaternary deposits - Deeply dissected conglomerates and sandstones indurated with a reddish hematite and carbonaceous matrix

Alluvial Valley Deposits

- Oy14** Modern river channels - Unconsolidated sand and pebbles in active channels of Waterman Wash and West Prong
- Oy15** Modern river terraces and bars - Unconsolidated sand, silt and minor gravel deposits on young terraces and bars in and along the active channels of Waterman Wash and West Prong
- Oy16** Holocene river terraces - Young river terrace deposits of Waterman Wash and West Prong

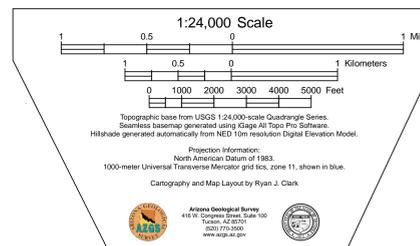
Other Units

- a** Ditches and tanks - Areas altered by excavation of ditches, stock tanks and ponds
- b** Bedrock, colluvium and talus - Bedrock outcrops, very poorly sorted angular colluvium, and coarse, angular talus cobbles and boulders
- c** Profoundly disturbed areas - Landfills and aggregate pits



Map Symbols

- accurate contact
- - - approximate contact
- ▨ gradational contact
- extent of mapped area
- - - - Sonoran Desert National Monument boundary



Sonoran Desert National Monument