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source of information for use in locating or designing wells, buildings, roads, or other man-made

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should not be interpreted as necessarily representing the official policies, either expressed or

implied, of the State of New Mexico, or the U.S. Government.

DESCRIPTION OF MAP UNITS

- af **Artificial fill** areas of disturbed ground, either excavated or fill. Commonly seen as check dams for stock tanks.
- Qca **Colluvium and alluvium**, undivided (Holocene to upper-middle Pleistocene) sands and volcanic gravels on hillslopes and adjacent to upland stream channels.

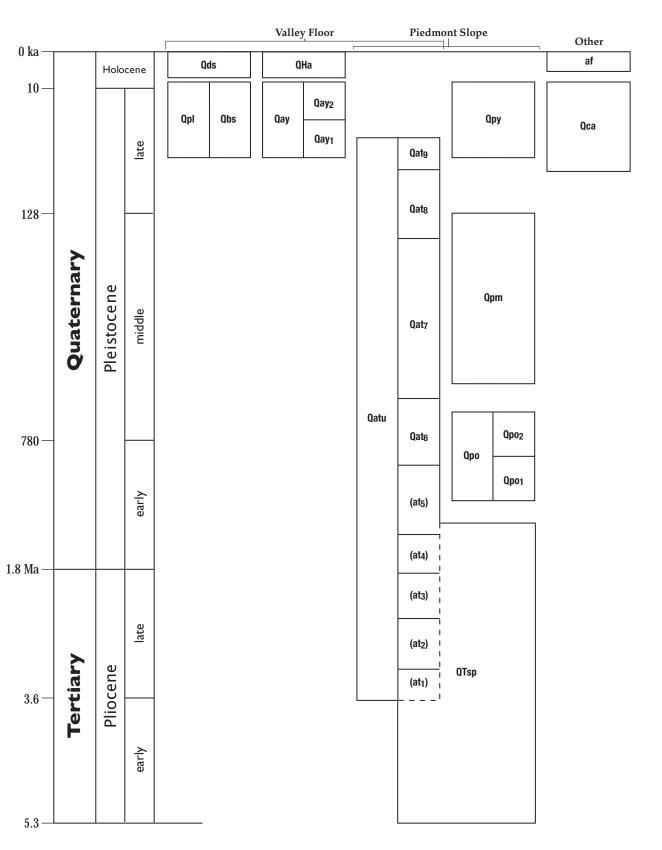
Pleistocene Lake San Agustin Deposits

- Qpl **Playa deposits** (Historic to uppermost Pleistocene) clay to fine-grained sand lake bed sediments.
- Qbs **Beach-ridge sand deposits** (Holocene to uppermost Pleistocene) well sorted, fine- to medium-grained sands, deposited along linear beach-
- Qds Sand sheets and dune sand deposits (Historic to Holocene) well sorted, fine-grained sands deflated from Qpl deposits to the west, coomonly stabilized by grasses and low shrubs. Where active, they often exhibit parabolic dunal forms with associated adjacent areas of deflation, seen migrating to the east-northeast.

Stream Alluvium

- QHa **Youngest stream alluvium** (Historic to Holocene) sands and volcanic gravel lag deposits found in active stream channels and adjacent floodplains
- Qay **Younger stream alluvium** (Holocene to uppermost Pleistocene) sands and volcanic gravels found in stream channels, especially in upland streams. Subdivided by age/inset relationships where possible (*Qay*₂, *Qay*₂)
- Qat **Stream terrace alluvium** (upper to lower Pleistocene) sands and volcanic gravels found flanking larger stream channels and canyons. Oldest terraces of Alamosa Creek are seen as strath-cut surfaces in QTsp or bedrock and are differentiated by (at₅₋₁) symbology.

Correlation of Uni



Piedmont Alluvium

- Qpy **Youngest piedmont alluvium**, undivided (Holocene to uppermost Pleistocene) sands and volcanic gravels found in fans and bajadas, especially in toe-slope landscape positions adjacent to playa deposits or major stream channels. Soils developed in these deposits commonly exhibit stage I to I+ pedogenic carbonate morphology in lower elevations.
- Qpm Older piedmont alluvium, undivided (upper to middle Pleistocene) sands and volcanic gravels found in fans and bajadas, often occurring in mid-slope landscape positions. Soils developed in these deposits commonly exhibit stage III pedogenic carbonate morphology in lower
- Qpo Old piedmont alluvium, undivided (middle Pleistocene to Plio-Pleistocene) sands and volcanic gravels found in fans and bajadas adjacent to uplands. Soils developed in these deposits commonly exhibit stage III to V+ pedogenic carbonate morphology in lower elevations. Subdivided by age/inset relationships where possible (*Qpo₂*, *Qpo₁*).

Santa Fe Group

- QTsp **Upper Santa Fe Group piedmont alluvial deposits**, undivided (lower Pleistocene to Pliocene) sands and volcanic gravels, often partially indurated, found in fans and bajadas adjacent to uplands. Soils developed in these deposits commonly exhibit stage IV to V+ pedogenic carbonate morphology in lower elevations.
- Tu **Tertiary bedrock**, undifferentiated

DESCRIPTION OF GEOLOGIC MAP SYMBOLS

- —— — Geologic contact solid where exposed; dashed where approximately located.
- Geologic contact between stream terrace strath-cut surfaces, found on QTsp or bedrock
- Pleistocene Lake San Agustin shoreline solid with barbs where scarp-forming; dashed where approximately located; dash-dotted where shoreline etched a wave-cut notch in bedrock.
- Normal fault solid where exposed; dashed where approximately located; dotted where concealed. Bar and ball on downthrown
- Strike-slip fault solid where exposed; dashed where approximately located; dotted where concealed.
- Strike and dip of bedding.