

Comments to Map Users
A geologic map displays information on the distribution, nature, orientation, and age relationships of rock and deposits and the occurrence of structural features. Geologic and fault contacts are irregular surfaces that form boundaries between different types or ages of rocks and deposits.

Geologic Map of the Romero Canyon 7.5-Minute Quadrangle, Sierra and Socorro Counties, New Mexico

This and other STATEMAP quadrangles are available for free download in both PDF and ArcGIS formats at: http://geoinfo.nmt.edu

by Colin T. Ciskosi
Digital layout and cartography by the NMBGMR Map Production Group: Phil L. Miller, David L. McCraw, Elizabeth H. Royal

Anthropogenic Deposits
Disturbed ground and artificial fill—Disturbed ground and uncompacted gravels and muds associated with gravel operations. Only mapped where laterally extensive or concealing underlying geologic features. The deposit thicknesses are <1 to 5 m.

Post-Santa Fe Group Deposits
Eolian sand-sheet deposits—Isolated areas of relatively thick eolian sand deposits. Sands are well-sorted, rounded, very fine to fine-grained, and dominantly siliceous, with trace rounded tributary alluvial fine pebbles.

Intermediate-level older western piedmont terrace alluvium—Reddish-brown to brown gravelly, sandy gravels and sands underlying high-level terrace trends and tributary fan surfaces with well-developed, but partially stripped, surface soils.

Western Piedmont Terrace and Tributary Fan Alluvium
Younger western piedmont terrace alluvium—Brown sandy pebbles and pebbly sands underlying low-level terrace trends with weakly-developed surface soils.

High-level older eastern piedmont terrace alluvium—Yellowish-brown gravels to gravelly sands underlying high-level terrace trends and tributary fan surfaces with well-developed, but partially stripped, surface soils.

Older eastern piedmont terrace alluvium—Graysish-brown to brown sandy pebbles and pebbly sands underlying low-level terrace trends with weakly-developed or absent surface soils.

Basalt of the Rio Grande—Dark gray xenolithic fine-granular basalt. Phenocrysts are rare and consist of olivine, pyroxene, and plagioclase. Weathered faces commonly exhibit pale gray "spots" up to 2 mm across.

Basaltic cinder—Dark reddish-brown to black scoriaceous pyroclastics. Dominantly granitic lapilli to bombs with trace fine pyroxene phenocrysts up to 1 mm across. Base unspaced; thickness is <1 to at least 20 m.

Description of Map Units

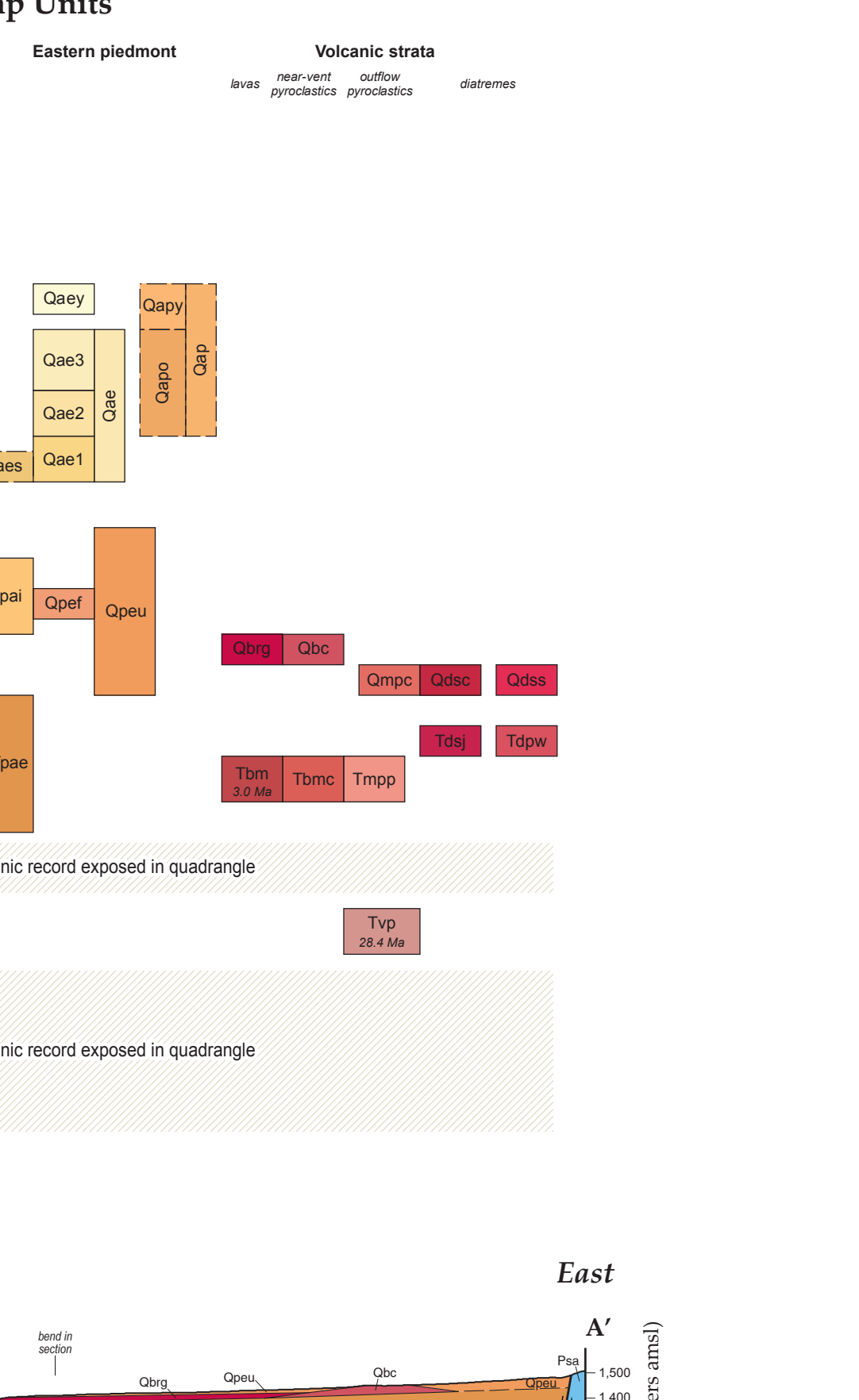
High-level older eastern piedmont terrace alluvium—Yellowish-brown gravels to gravelly sands underlying high-level terrace trends and tributary fan surfaces with well-developed, but partially stripped, surface soils.

Basaltic cinder—Dark reddish-brown to black scoriaceous pyroclastics. Dominantly granitic lapilli to bombs with trace fine pyroxene phenocrysts up to 1 mm across. Base unspaced; thickness is <1 to at least 20 m.

Correlation of Map Units



Explanation of Map Symbols



Geologic Cross Section

