

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 units. Data depicted on this geologic quadrangle map may be based on any of the following: reconnaissance field geologic mapping, compilation of published and unpublished work, and photogeologic interpretation. Sitespecific conditions should be verified by detailed surface mapping or subsurface exploration. Topographic and cultural changes may not be shown due to recent development.

Cross sections are constructed based upon the interpretations of the author made from geologic mapping, and available geophysical, and subsurface (drillhole) data. Cross sections should be used to aid in understanding the general geologic framework of the map area, and not be the sole source of information for use in locating or designing wells, buildings, roads, or other man-made structures.

The New Mexico Bureau of Geology and Mineral Resources created the Open-File Geologic Map Series to expedite dissemination of these geologic maps and map data to the public as rapidly as possible while allowing for map revision as geologic information continues to be acquired. Each map sheet carries the original date of publication below the map as well as the latest revision date in the upper right corner. In most cases, the original date of publication coincides with the date of the map product delivered to the National Cooperative Geologic Mapping Program (NCGMP) as part of the National Cooperative Geologic Mapping Program (NCGMP) agreement. While maps are produced, maintained, and updated in an ArcGIS geodatabase, at the time of the STATEMAP deliverable, each map goes through cartographic production and internal review prior to uploading to the Internet. Even if additional updates are carried out on the ArcGIS map files, citations to these maps should reflect the original publication date and the original author listed. The views and conclusions contained in these map documents are those of the authors and should not be interpreted as

Geologic Map of the Priest Tank 7.5-Minute Quadrangle, Sierra County, New Mexico

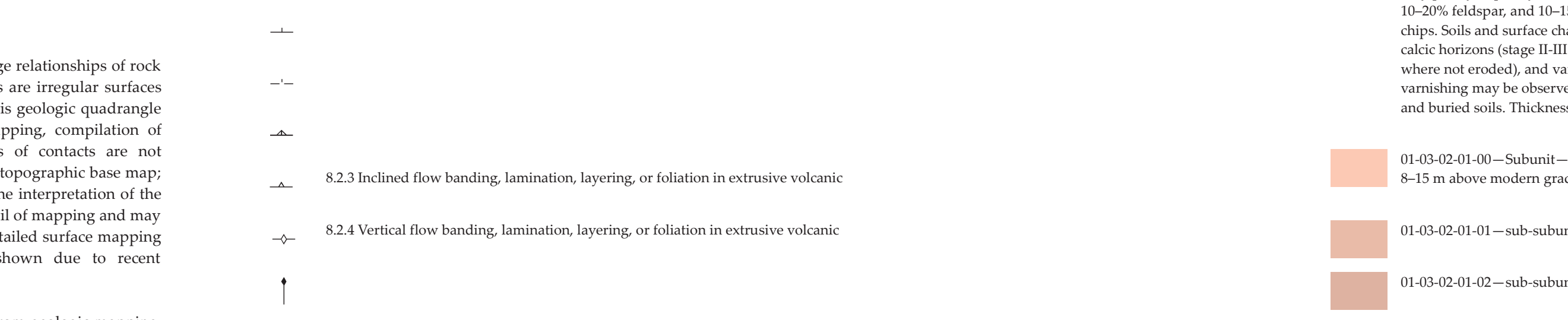
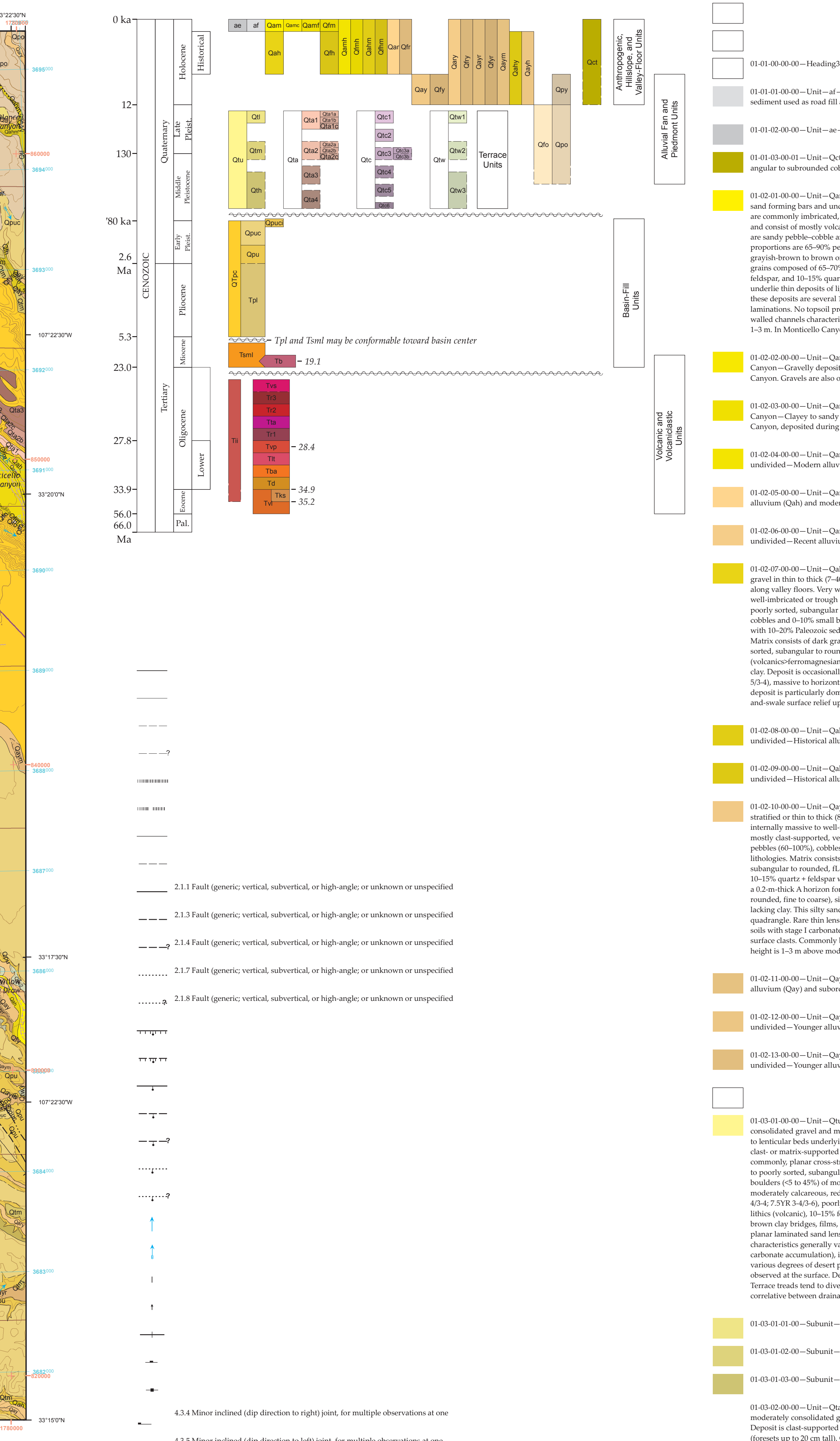
New Mexico Bureau of Geology and Mineral Resources, 801 Leroy Place, Socorro, New Mexico 87801-4796

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

June, 2019 by Andrew P. Jochems and Bruce E. Cox

New Mexico Bureau of Geology and Mineral Resources, 801 Leroy Place, Socorro, NM 87801

Phil L. Miller, Kelly K. Boyd, Amy L. Dunn, and Katie Sauer



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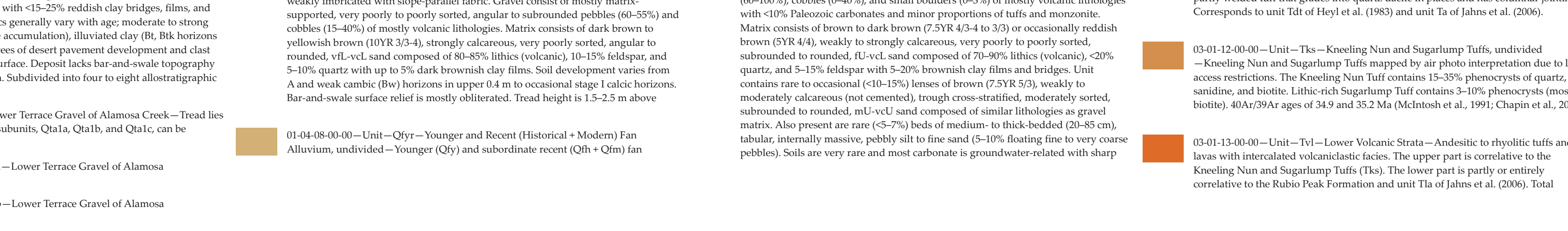
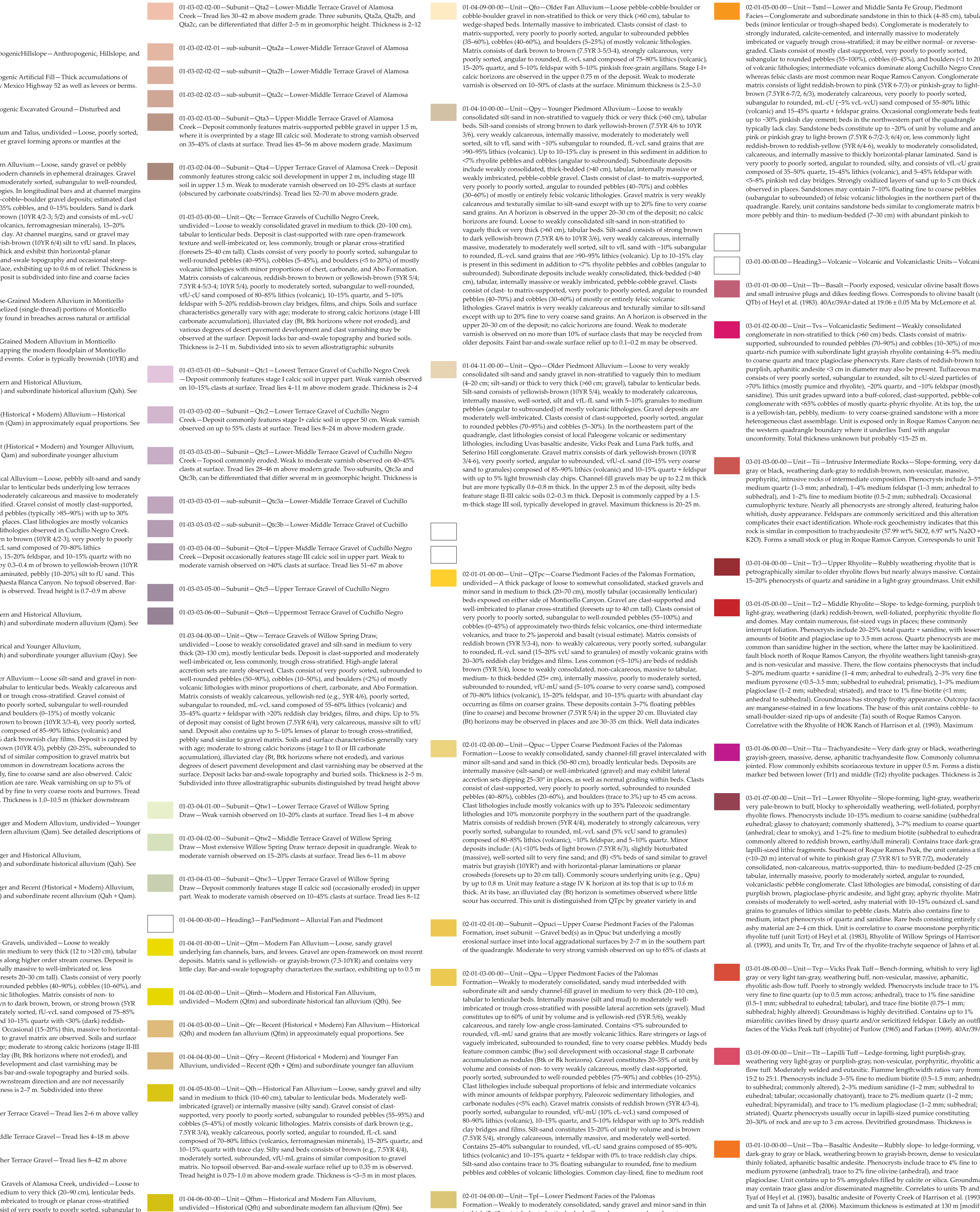
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NOTE: Thin fan, terrace, and valley-floor units omitted for clarity.