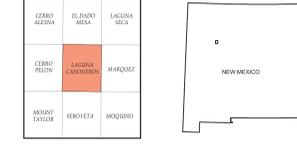


Map Unit Descriptions (Partial description of units; complete descriptions are found in the accompanying report). This table lists geological units such as Quaternary, Tertiary (Pliocene), and Cretaceous, along with their symbols and brief descriptions of their composition and characteristics.

Geologic Cross Sections. This section contains detailed descriptions of geological cross-sections A-A' and B-B', showing the subsurface structure of the area. It includes unit names, symbols, and descriptions of their relationships and thicknesses.

Correlation Of Map Units. This table provides a correlation chart between the map units and the units used in the geologic cross-sections. It shows how units from different geological periods and formations are related to each other in the subsurface.

Base map from U.S. Geological Survey 1961, from photographs taken 1956, 1960 and 1961. Contour interval 20 feet. National Geodetic Vertical Datum of 1929.



QUADRANGLE LOCATION. New Mexico Bureau of Geology and Mineral Resources, Open-file Geologic Map 244.

Mapping of this quadrangle was funded by a matching-funds grant from the STATEMAP program of the National Cooperative Geologic Mapping Act (Award Number: G14C00186), administered by the U. S. Geological Survey, and by the New Mexico Bureau of Geology and Mineral Resources, (L. Greer Price, Director and State Geologist, Dr. J. Michael Timmons, Geologic Mapping Program Manager).

New Mexico Bureau of Geology and Mineral Resources, 801 Leroy Place, Socorro, New Mexico 87801-4796. [575] 835-5490

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

June, 2014

by Fraser Goff, Shari A. Kelley, John R. Lawrence, and Cathy J. Goff

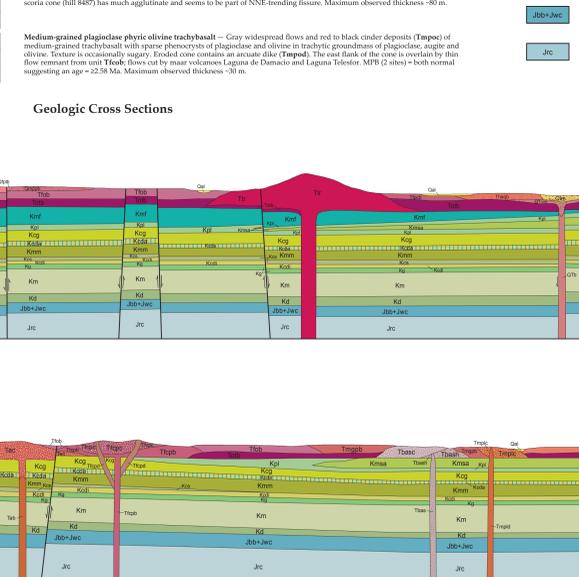
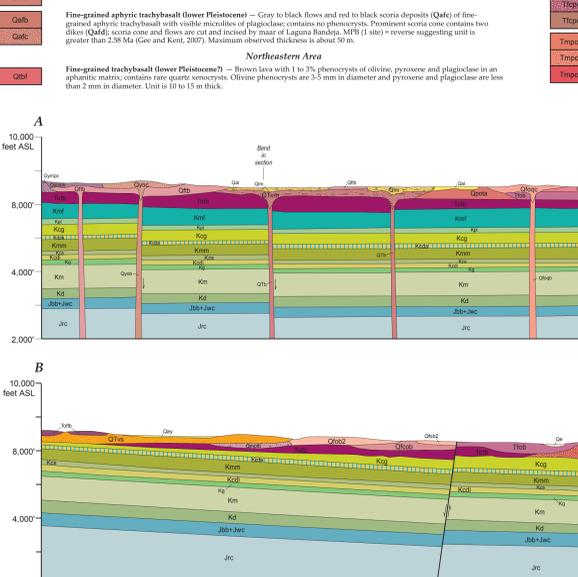
- 1 Earth and Planetary Sciences Dept., University of New Mexico, Albuquerque, NM 87131
2 New Mexico Bureau of Geology and Mineral Resources, 801 Leroy Place, Socorro, NM 87801
* Lawrence Geoservices Ltd. Co., 2321 Elizabeth St. NE, Albuquerque, NM 87112
† Private consultant, 3015 Querobos, Las Lunas, NM 87544



DRAFT

Explanation of Map Symbols

- A1-A' Location of geologic cross section
Geologic contact - certain, location accurate
Geologic contact - certain, location approximate
Fault - certain, location approximate
Fault - certain, location concealed
Normal fault - certain, location accurate
Normal fault - certain, location approximate, ticks show dip
Normal fault - certain, location concealed
Dike, location accurate, showing unit name
Dike, location approximate, showing unit name
Flow lines on lava
Direction of downslope movement of landslide
Inclined flow banding, lamination, layering, or foliation in igneous rock - showing strike and dip
Inclined dike, showing dip
Small volcanic cone, vent, cinder cone, or spatter cone
Volcanic cone, vent, cinder cone, or spatter cone
Drill hole for mineral exploration
Spring
Water well for livestock
Geophysical data collection locality - N = normal polarity, R = reversed polarity



Comments To Map Users. A geologic map displays information on the distribution, nature, structure, and age relationships of rock 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 are the result of field mapping and the interpretation of the geologist. Any enlargement of this map may cause misinterpretation. In the detail of mapping and map interpretation, the accuracy of the geologic data is dependent on the accuracy of the field data. Specific conditions should be verified by detailed surface mapping or subsurface geophysical, topographic and cultural changes associated with recent development may not be shown. Cross sections are constructed based upon the interpretation of the author made from geologic mapping and available geophysical and subsurface (drillhole) data. Cross-sections should be used as an aid to understanding the general geologic framework of the map area, and not be the sole source of information for locating or designing wells, buildings, roads, or other man-made structures. The map has not been reviewed under New Mexico Bureau of Geology and Mineral Resources standards. The contents of the report and map should not be considered final and complete until reviewed and published by the New Mexico Bureau of Geology and Mineral Resources. The views and conclusions contained in this document are those of the author and 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.