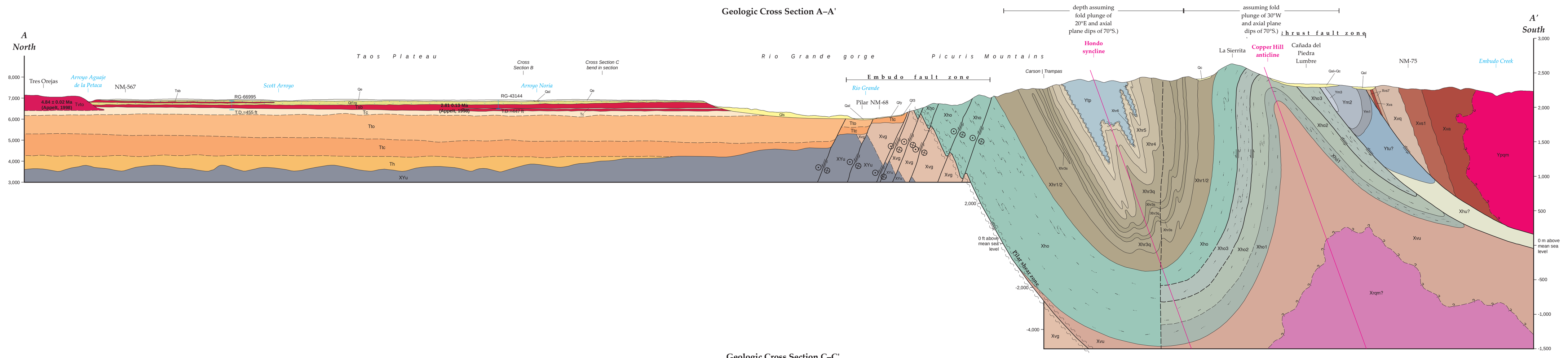
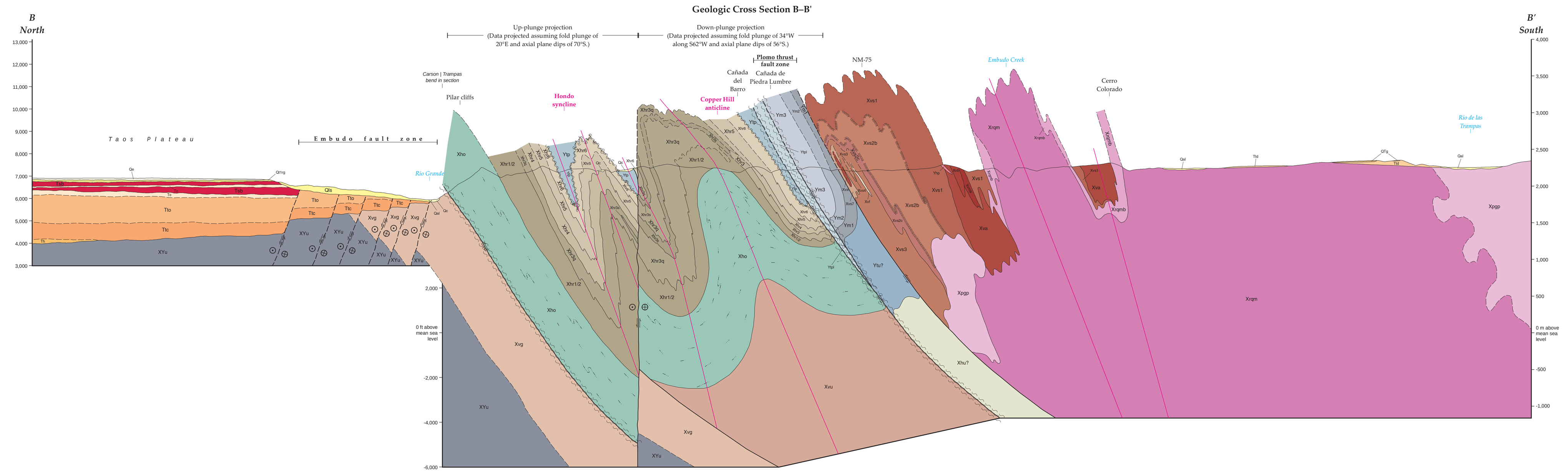
Geologic Cross Section A–A'



Geologic Cross Section B–B'

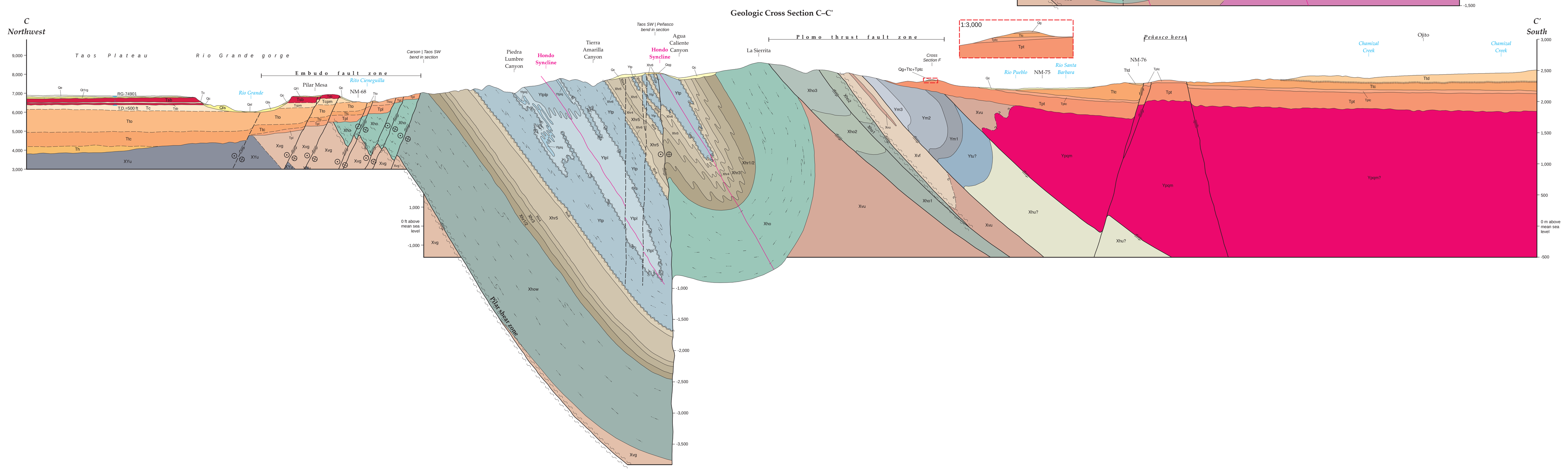


Explanation of Cross-section Symbols

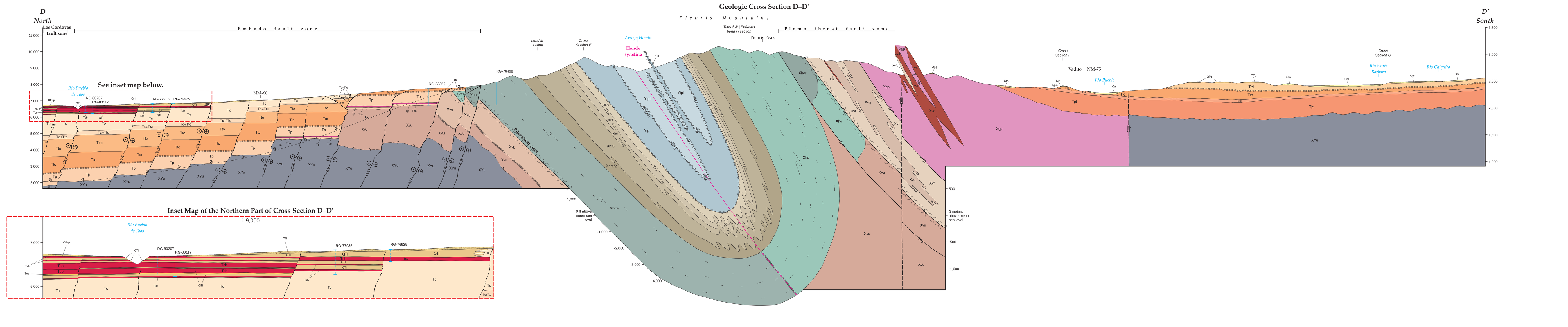
03.01.03 Boundary located by gravity survey

31.02.25 Well location (in cross section)—The location and depth of a well

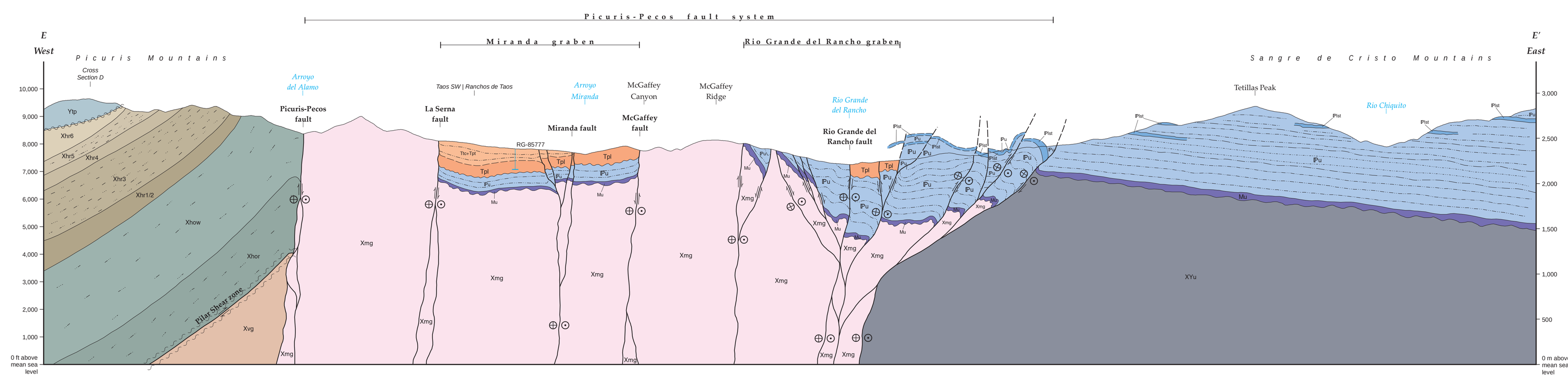
Geologic Cross Section C–C'



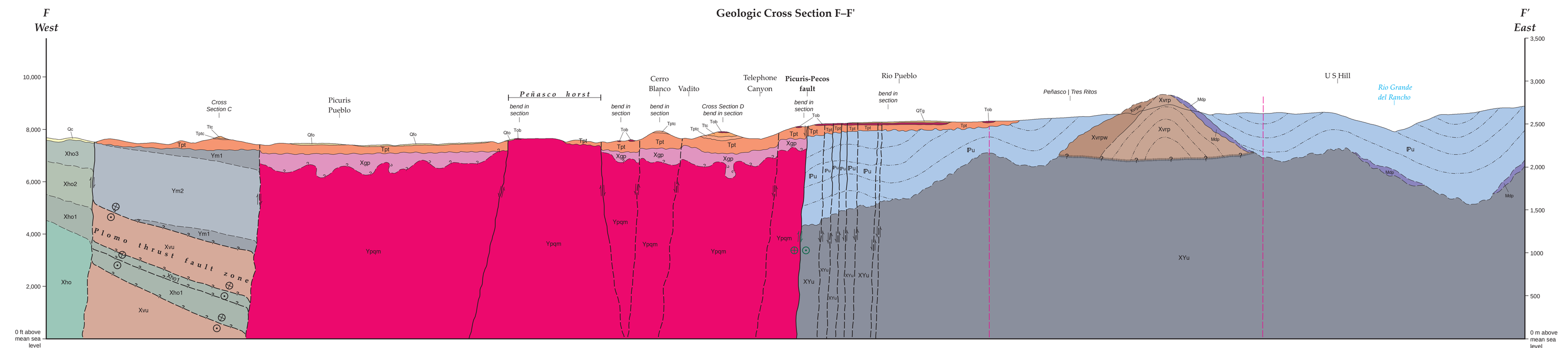
Geologic Cross Section D–D'



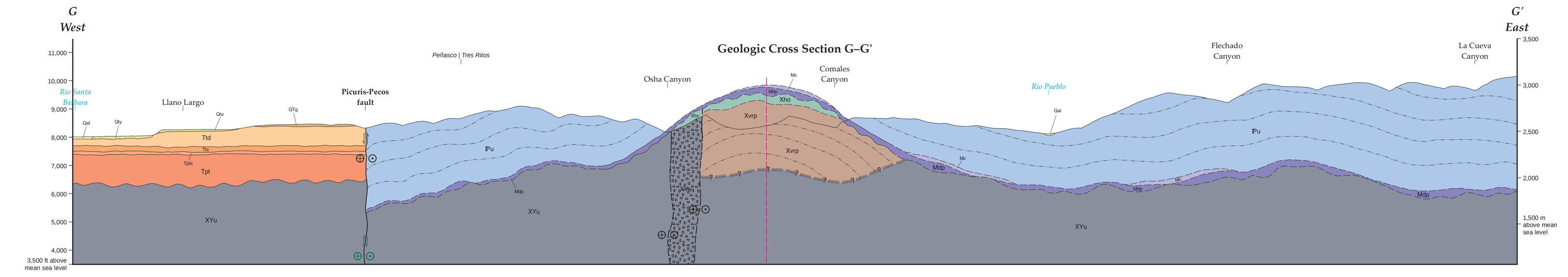
Geologic Cross Section E–E'



Geologic Cross Section F–F'



Geologic Cross Section G–G'



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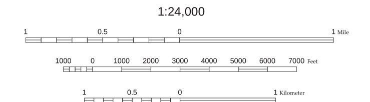
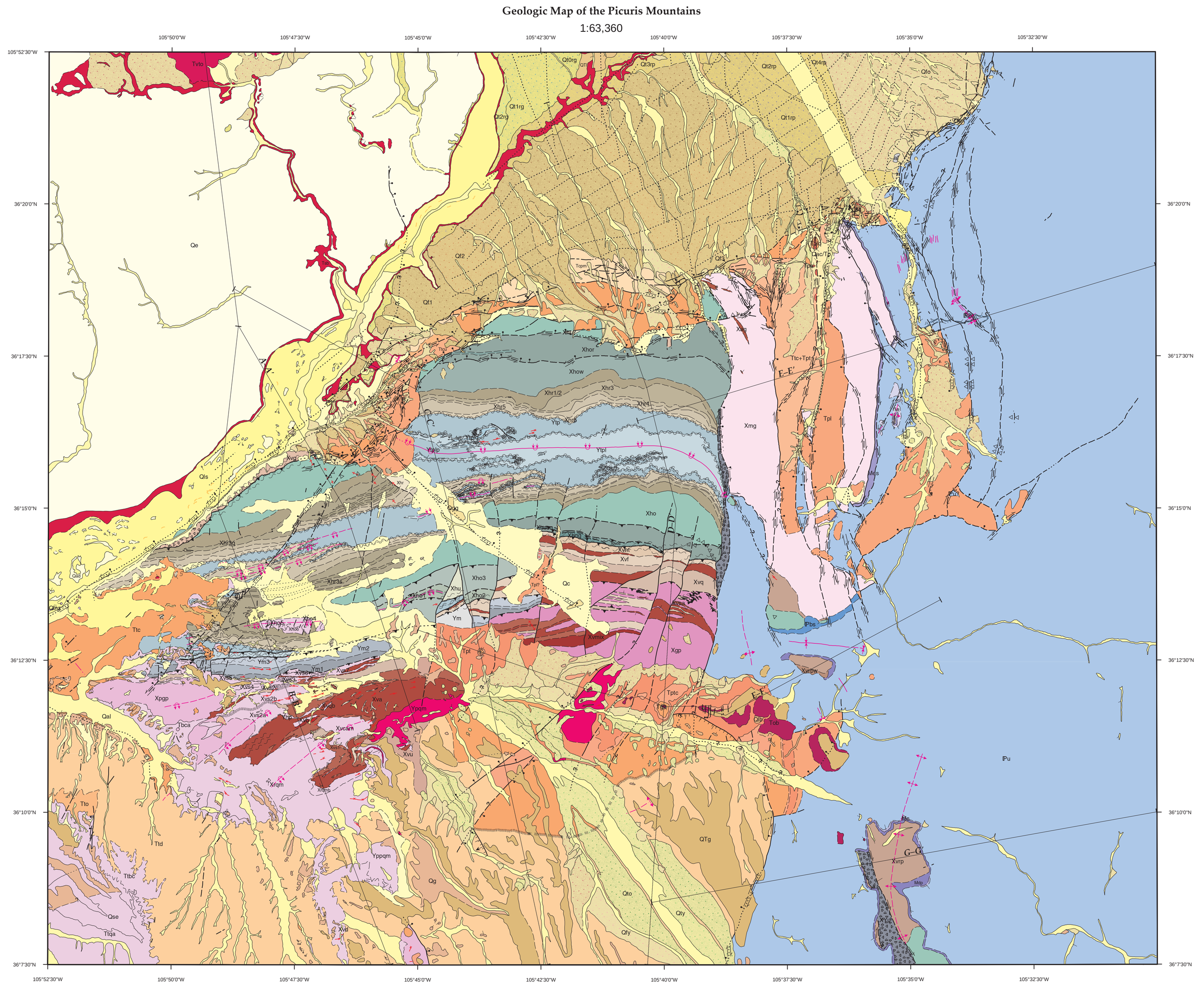
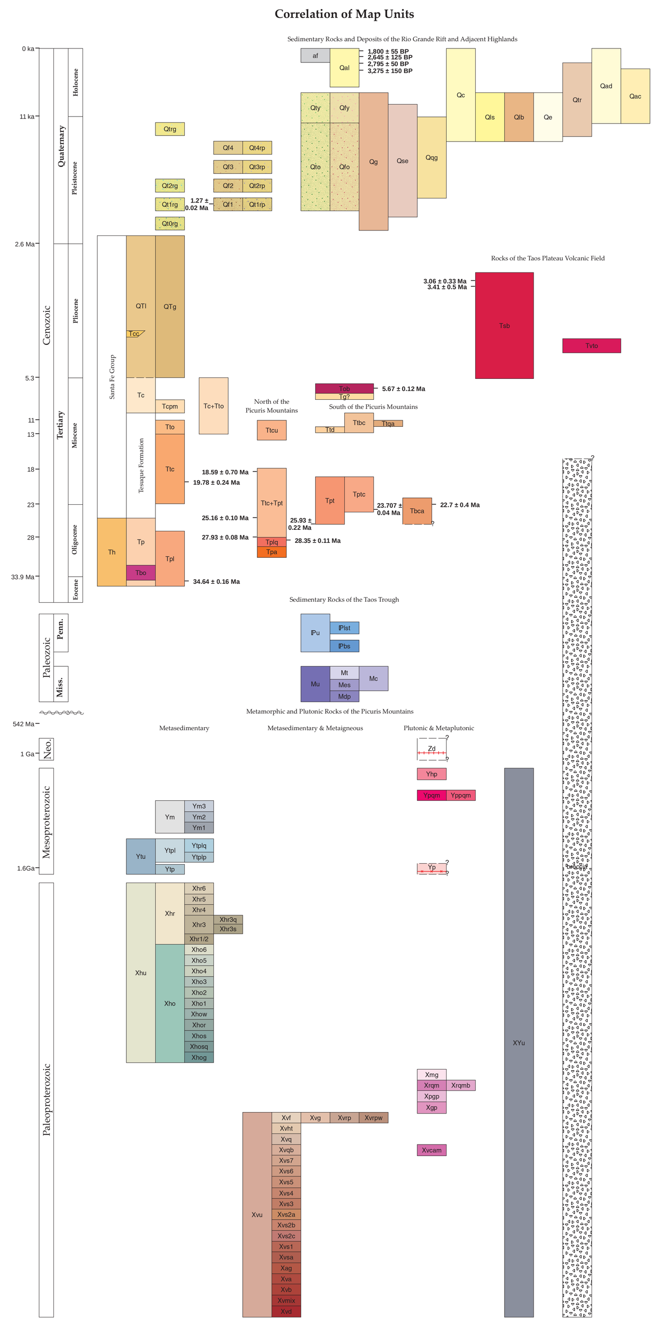


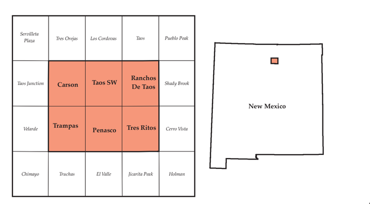
Geologic Map of the Picuris Mountains



Correlation of Map Units



Description of Map Units



Compilation Location

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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

Digital layout and cartography by the NMBGMR Map Production Group:
Phil L. Miller, Amy L. Dunn, Ann D. Knight, and Justine L. Nicolette

New Mexico Bureau of Geology and Mineral Resources
Open-File Geologic Map 294

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Geologic Map of the Picuris Mountains, Rio Arriba and Taos County, New Mexico: Cross Sections

November 2021

by
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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. Locations of contacts are not surveyed, but are plotted by interpretation of the position of a given contact onto a topographic base map; therefore, the accuracy of contact locations depends on the scale of mapping and the interpretation of the geologist(s). Any enlargement of this map could cause misunderstanding in the detail of mapping and may result in erroneous interpretations. Site-specific 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 as an aid to 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.

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