

New Mexico Bureau of Geology

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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

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

The map has not been reviewed according to New Mexico Bureau of Geology and Mineral Resources

reviewed and published by the New Mexico Bureau of Geology and Mineral Resources. The views and

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

standards. The contents of the report and map should not be considered final and complete until

conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the State of New Mexico, or

and cultural changes associated with recent development may not be shown.

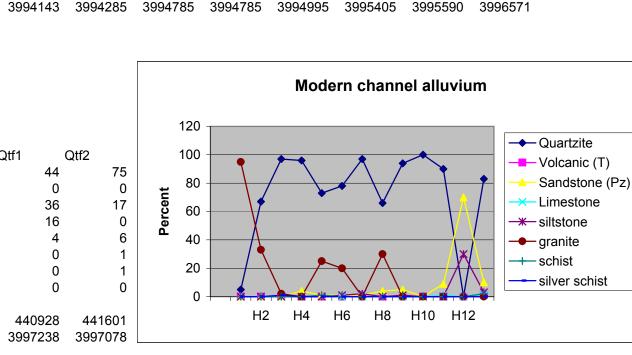
the U.S. Government.

Volcanic (T) Sandstone (Pz) Limestone (Pz) Siltstone (Pz) Granitic Amphibolite UTM (zone 13 south NAD27) easting 433476 433215 433357 northing 3994665 3994857 3994795 Quartzite Volcanic (T) Sandstone (Pz) Limestone (Pz) Siltstone (Pz) Granitic UTM (zone 13 south NAD27) northing

D1 D3 D5 D7 D9 D11 432548 433595 433642 435273 435309 436003 436080 437333 437357 440960 441000 441601 3995476 3997309 3997070 3997853 3994880 3995923 3996093 3997833 3997643 3996381 3996238 3997078

Quartzite Volcanic (T) Sandstone (Pz) Limestone siltstone granite silver schist UTM (Nad 27 zone 13 south) easting

Count # Quartzite Volcanic (T) Sandstone (Pz) Limestone siltstone granite schist silver schist UTM (Nad 27 zone 13 south) 442643 438119 434809 northing 3997707



El Valle Dixon member

Quartzite

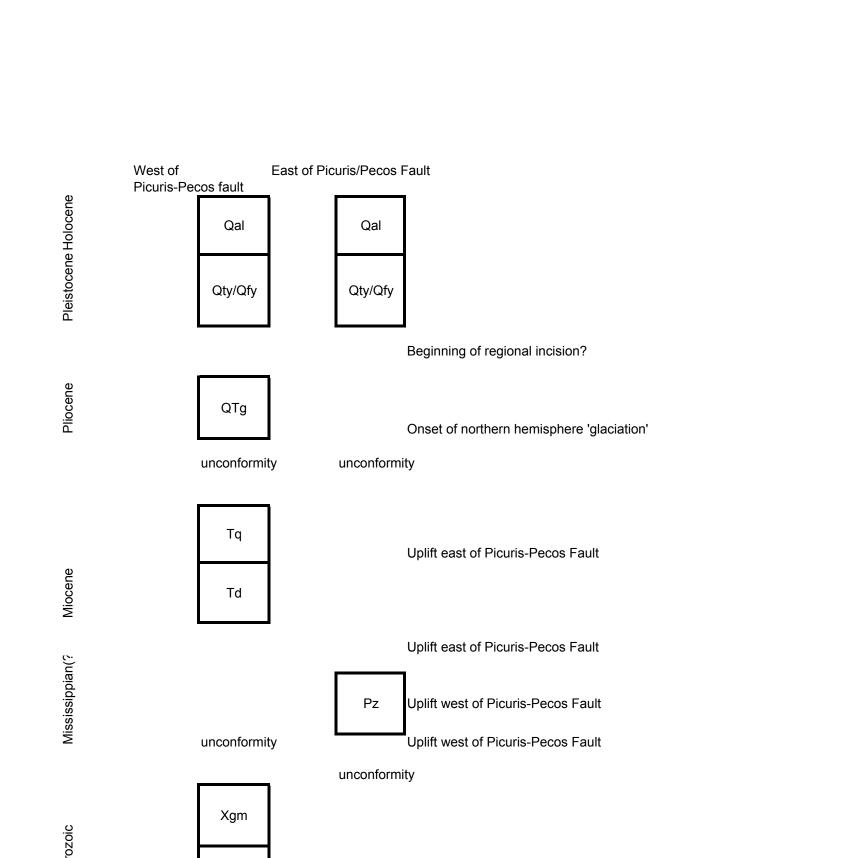
Volcanic (T)

→ Siltstone (Pz)

Granitic

-Sandstone (Pz)

Limestone (Pz)



High level gravels (QTg) Sandstone (Pz) Sandstone (Pz) granite Amphibolite Limestone siltstone 432642 433016 433476 433931 434476 433476 433215 433357 3995240 3993859 3993168 3992498 3992240

3996238 3996381 3997070 3997833 3997643 3997078 3996093 3995923 3994880 3995476 3997309 3997853

El Valle Clast Counts

field site #

field site #

field site #

Sandstone (Pz)

silver schist

Amphibolite

silver schist

Sandstone (Pz

Sandstone (Pz) Limestone

Limestone

438119 440928 441601 434809 442643

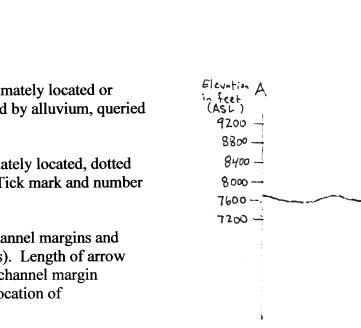
siltstone

434120 432714 435240

3994143 3990309 3987083

Sandstone (Pz)

East-West Geologic cross Section near northern edge of El Valle Quadrangle, New Mexico



Bidirectional paleocurrent direction inferred from azimuth of channel inferred paleotransport direction indicated by numbers separated by dash. Tip of arrow as near as possible to location of measurement

Note: due to poor exposure dip angles are estimated and large parts of Section are schematic. Multiple possibilities are therefore shown in Some cases. Quaternary Units not Shown

location of inferred source of distinctive clast type(s). Length of arrow

margins alone. Length of arrow proportional to number of measurements (2mm = 1 channel margin measurement). Paleocurrent direction inferred from imbrication of clasts. Range of

Strike and dip of bedding. Dip-dip azimuth. Contact-solid where walked, dashed where approximately located or partially concealed, dotted where inferred or covered by alluvium, queried where uncertain.

> **Fault-**solid where exposed, dashed where approximately located, dotted where inferred or buried, queried where uncertain. Tick mark and number indicate dip direction and angle, respectively. Paleocurrent direction inferred from azimuth of channel margins and

proportional to number of measurements (2mm =1 channel margin measurement). Tip of arrow as near as possible to location of