A geologic map displays information on the distribution, nature, orientation, and age relationships of geological features. The map has not been reviewed according to New Mexico Bureau of Geology and Mineral Resources standards. Any enlargement of this map could cause an inaccurate interpretation of the geology. The map has not been reviewed according to New Mexico Bureau of Geology and Mineral Resources standards. Any enlargement of this map could cause an inaccurate interpretation of the geology.

The geologic materials on the El Valle Quadrangle can be categorized into three principal groups: (1) Quaternary terrace gravels, (2) Quaternary landslide deposits, and (3) Pleistocene and Holocene alluvium. The Quaternary terrace gravels consist of proglacial sediments deposited at the margins of the Cordilleran ice sheet during the Pleistocene Epoch. These deposits are commonly scoured, with relief ranging from 0.01 to 1 meter. Imbrication of clasts is not common, but is locally moderately developed. The Quaternary landslide deposits consist of colluvium and alluvium derived from landslides that occurred during the late Quaternary Epoch. The Pleistocene and Holocene alluvium includes a diverse suite of deposits ranging from the active channel alluvium of the Rio Grande to the Pleistocene and Holocene alluvial fans.

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The map shows the distribution of geological features, including the presence of Quaternary terrace gravels, Quaternary landslide deposits, and Pleistocene and Holocene alluvium. The map also indicates the location of the Rio Grande, which is a major river in the area. The Rio Grande is characterized by its broad floodplain, which is underlain by a variety of Pleistocene and Holocene alluvial deposits.

The map is based on reconnaissance field mapping, and the interpretation of the geologist(s). Any enlargement of this map could cause an inaccurate interpretation of the geology. The map is intended to provide a general overview of the geological features present in the area, but the reader is advised that more detailed information can be obtained from the original field mapping and field notes.