**DESCRIPTON OF rock units**

**Cretaceous System**

- **Carlsbad Formation**: A sedimentary formation of the Cretaceous system, composed primarily of sandstones, siltstones, and mudstones. The formation is well-known for its fossils and was deposited in a fluvial environment.

- **Dakota Sandstone**: A prominent sandstone formation of the Cretaceous system, characterized by its light-yellow color and commonly containing volcanic and bioclastic debris. It is a key stratigraphic marker in the region.

- **Mancos Shale**: A shale formation of the Cretaceous system, known for its black to dark-brown color and contain fossil remains. It is typically associated with marine deposition.

**Tertiary System**

- **Atarque Sandstone**: A sandstone formation of the Tertiary system, deposited in fluvial environments and characterized by its light-yellow to grey color.

- **Fite Ranch Sandstone**: A sandstone formation of the Tertiary system, known for its light-yellow to grey color and common occurrence of volcanic debris.

**Quaternary System**

- **Qpy Younger piedmont-slope alluvium (Holocene to uppermost Pleistocene)**: A sedimentary formation of the Quaternary system, composed of alluvial deposits deposited in fluvial and slope environments. It is commonly associated with a variety of sediments, including sands, gravels, and clays.

**REFERENCES**


**CROSS SECTIONS**

- **Axial-fluvial**: A depositional environment characterized by the deposition of sediments in river channels and floodplains, commonly associated with fluvial and alluvial deposits.

- **Travertine**: A sedimentary rock composed of calcium carbonate, commonly formed in calcareous springs. It is typically found in karstic environments and is known for its light-yellow to grey color.

**COMMENTS TO MAP USERS**

- The map is intended for use by geologists, geographers, and other professionals interested in the geology of the area.

- The map was prepared by the New Mexico Bureau of Geology and Mineral Resources, with support from the StateMap program.

- The map includes a variety of geological features, including rock units, faults, and fault lines, and is intended to provide a comprehensive view of the geology of the area.

- The map was last updated on May 27, 2008.