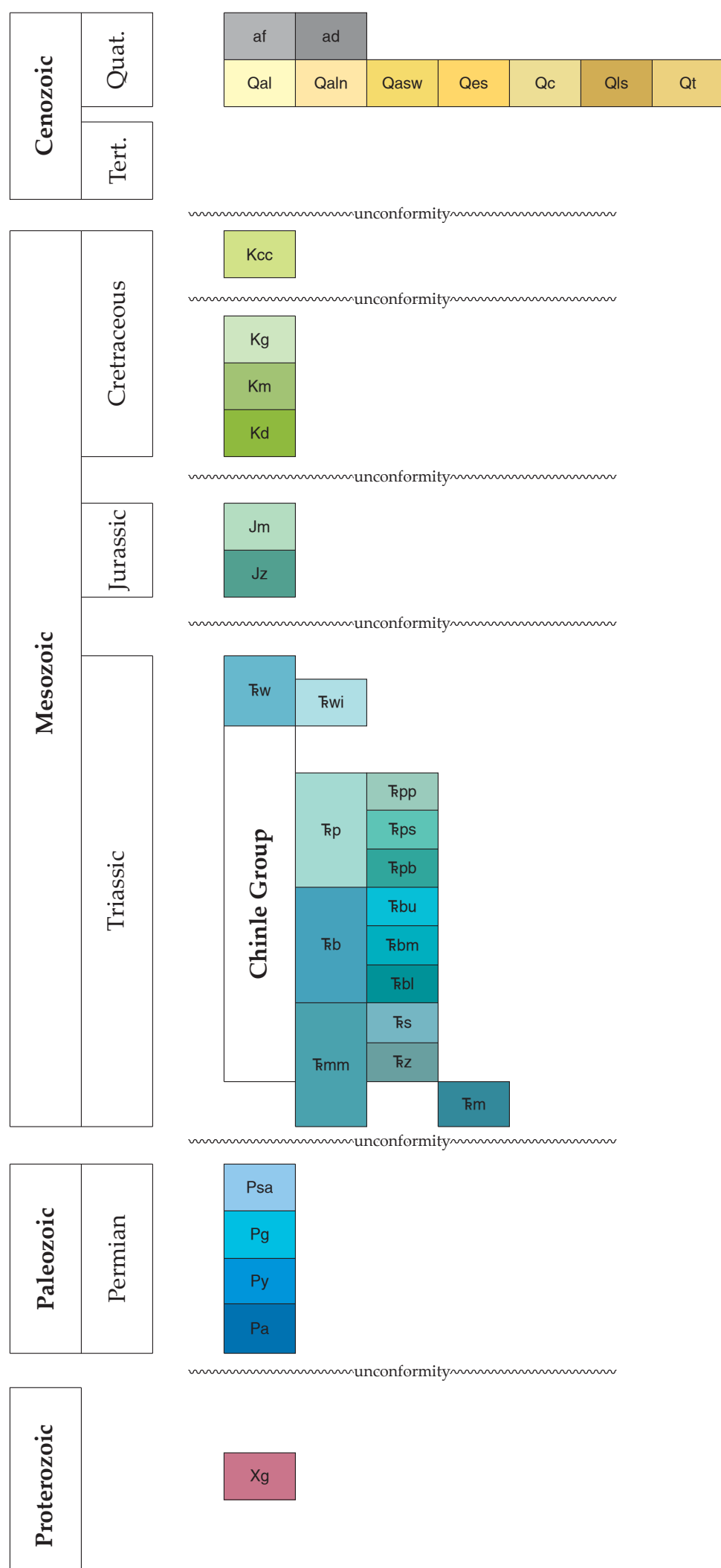


Correlation of Map Units

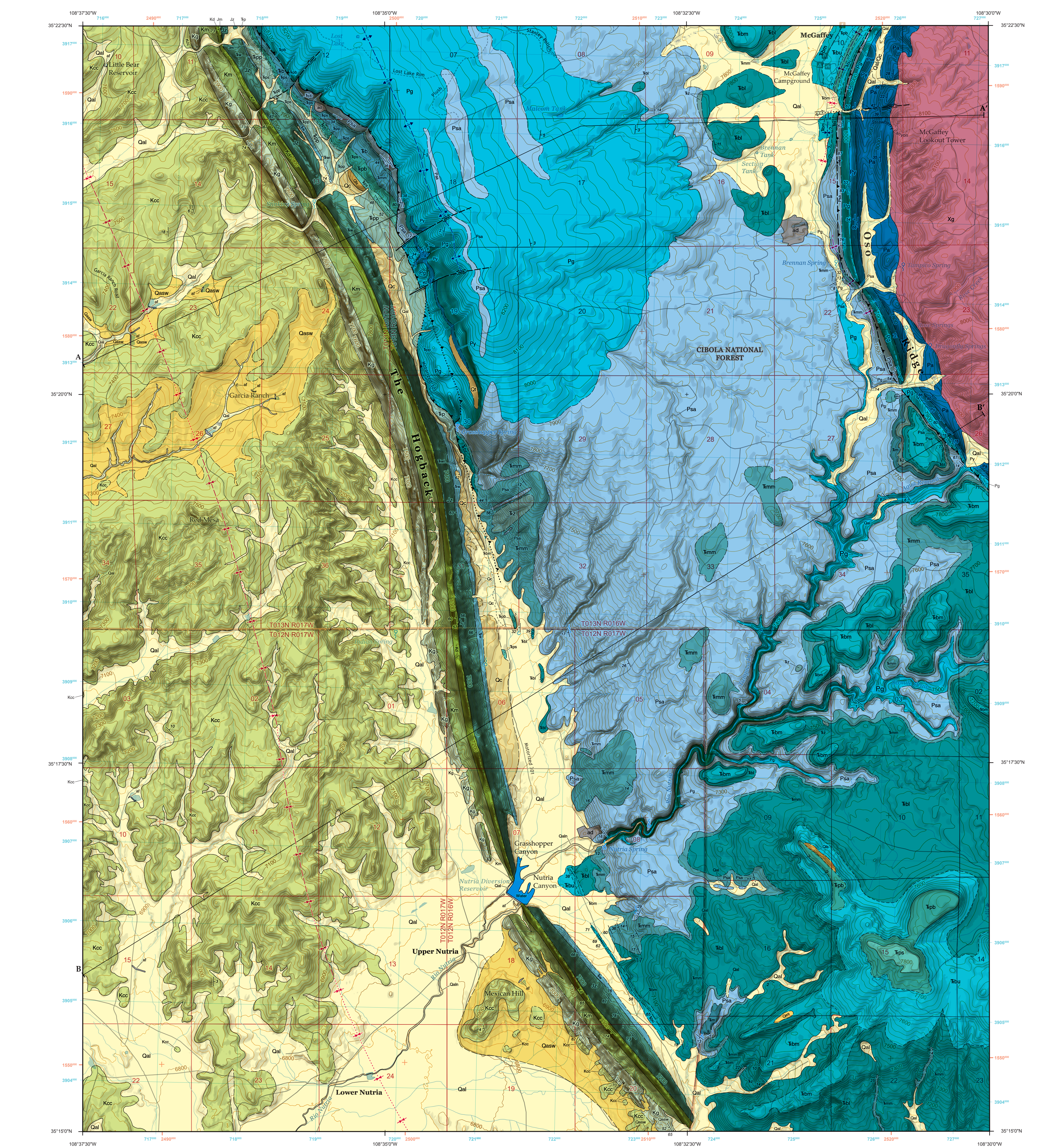


Description of Map Units

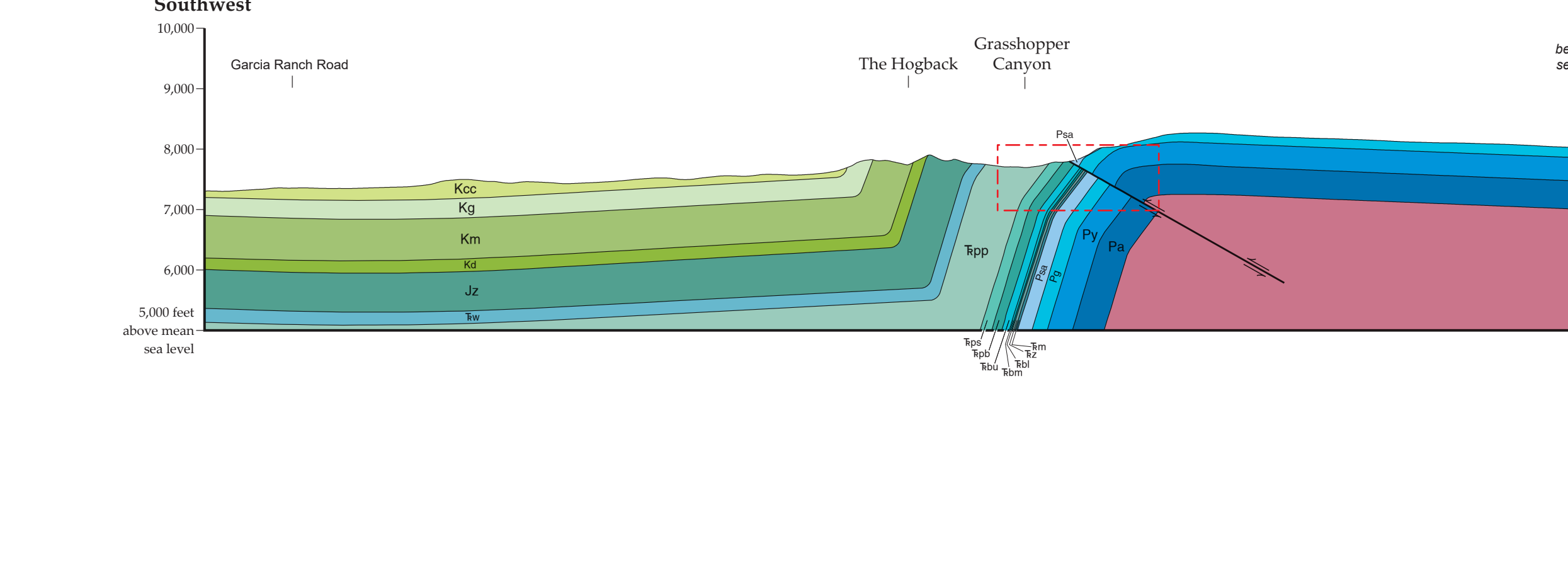
- QUATERNARY: Disturbed deposits, Limestone quarry, Rio Nutria alluvium, Alluvium, Slope wash alluvium, Eolian deposits, Colluvium, Landslides, Talus, Crevasse Canyon Formation, Painted Desert Member, Sonora Member, Blue Mesa Member, Blawie Creek Formation, Mancos Shale, Dakota Sandstone, Morrison Formation, Zuni Sandstone, Zuni Mountains Formation, Shinarump Formation, and Moenkopi Formation.

Explanation of Map Symbols

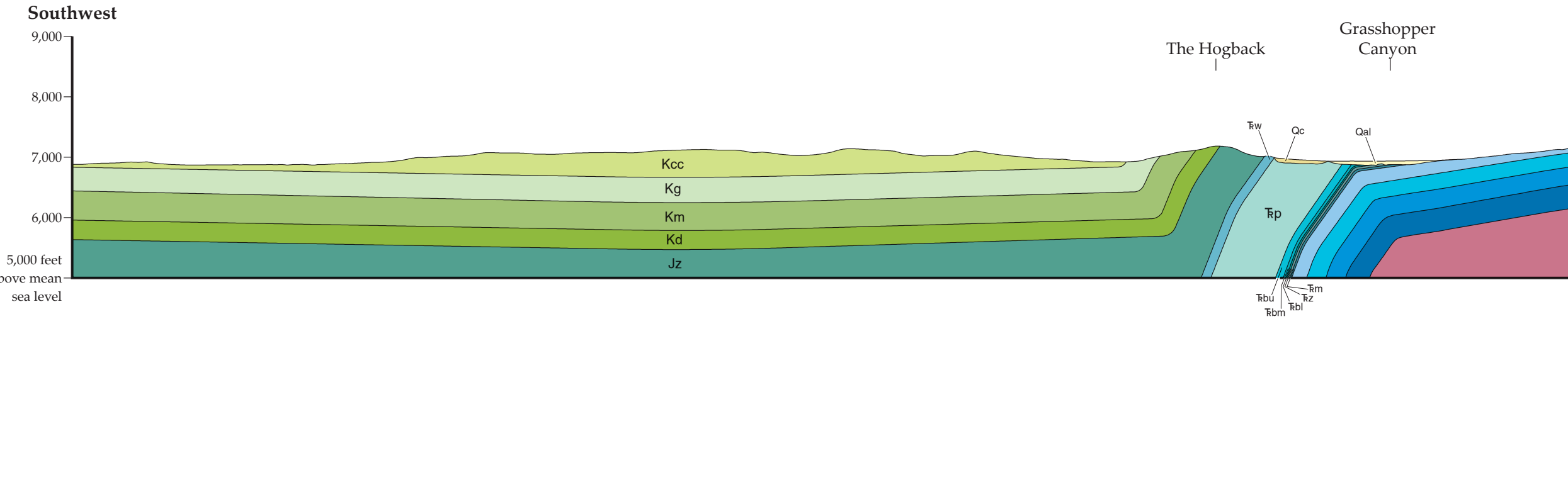
- Contact - Identify and existence are certain or questionable where queried. Location is accurate where solid, approximate where dashed, and inferred where short-dashed.
- Internal contact - Identify and existence are certain. Location is approximate.
- Strike-slip fault, right-lateral offset - Identify and existence are certain. Location is accurate where solid, approximate where dashed, and concealed where dotted.
- Strike-slip fault, left-lateral offset - Identify and existence are certain. Location is accurate where solid, approximate where dashed, and concealed where dotted.
- Thrust fault - Identify and existence are certain. Location is accurate where solid, approximate where dashed, and concealed where dotted. Swathcut above tectonically higher plate.
- Anticline - Identify and existence are certain. Location is approximate.
- Antiform - Identify and existence are certain. Location is approximate.
- Syncline - Identify and existence are certain. Location is approximate where dashed and concealed where dotted.
- Horizontal bedding
- Inclined bedding - Showing strike and dip.
- Vertical bedding - Showing strike.
- Overturned bedding - Showing strike and dip.
- Spring
- Cross section line and label



Geologic Cross Section A-A'



Geologic Cross Section of B-B'



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, a 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.

Scale bars (1:24,000), north arrow, and location map of New Mexico showing the quadrangle's position.

Title block containing project information: New Mexico Bureau of Geology and Mineral Resources, Open-File Geologic Map 313, Geologic Map of the Upper Nutria 7.5-Minute Quadrangle, Navajo Nation and Zuni Reservation, and McKinley County, New Mexico. Includes authors James Riesterer and Paul G. Drakos, and date September 2024.

Inset maps of Geologic Cross Section A-A' and B-B' showing their locations on the main map. Includes vertical scale bars for the cross-sections.