

**KANSAS GEOLOGICAL SURVEY
OPEN-FILE REPORT 97-30**

**COMANCHE COUNTY, KANSAS
GEOLOGIC UNITS**

By

J. R. McCauley

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Geologic Units

Quaternary

Ql	Loess (0-20 ft.)
Qal3	Alluvium, below terraces (0-50 ft.)
Qal2	Older alluvium in terraces and lower slopes of valley walls (0-80 ft.)

Quaternary/Tertiary

Qto	Ogallala Formation and undifferentated overlying Quaternary alluvium (0-150 ft.)
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Cretaceous

Kk	Kiowa Formation (0-120 ft.)
Kc	Cheyenne Sandstone (0-20 ft.)

Permian

Pw	Whitehorse Formation (270 ft.)
Pd	Dog Creek Formation (10-20 ft.)
Pb	Blaine Formation (0-50 ft.)

Additional units that are lower in the stratigraphic column will be added when geologic mapping continues in central and eastern quadrangles of Comanche County.

COMANCHE COUNTY QUADRANGLE MAPS

The following five quadrangle maps represent field maps that are submitted by the Kansas Geological Survey as part of the STATEMAP Agreement #1434-HQ-97-AG-01756 for FY97 (May 1, 1997 to April 30, 1998). The following quadrangles are filed with the Kansas Geological Survey as KGS Open-File Report 97-30 "Preliminary Geologic Field Maps of portions of Comanche County, Kansas". Within the Open-File Report 97-30 there are an additional six geologic field maps that represent the field maps from last years STATEMAP deliverables for this project.

Quadrangles included--

Complete Quadrangles

**Buttermilk
Coldwater
Nescatunga Creek North
Protection NE
Wilmore**

Partial Quadrangles

**Coldwater NE
Iron Mountain**