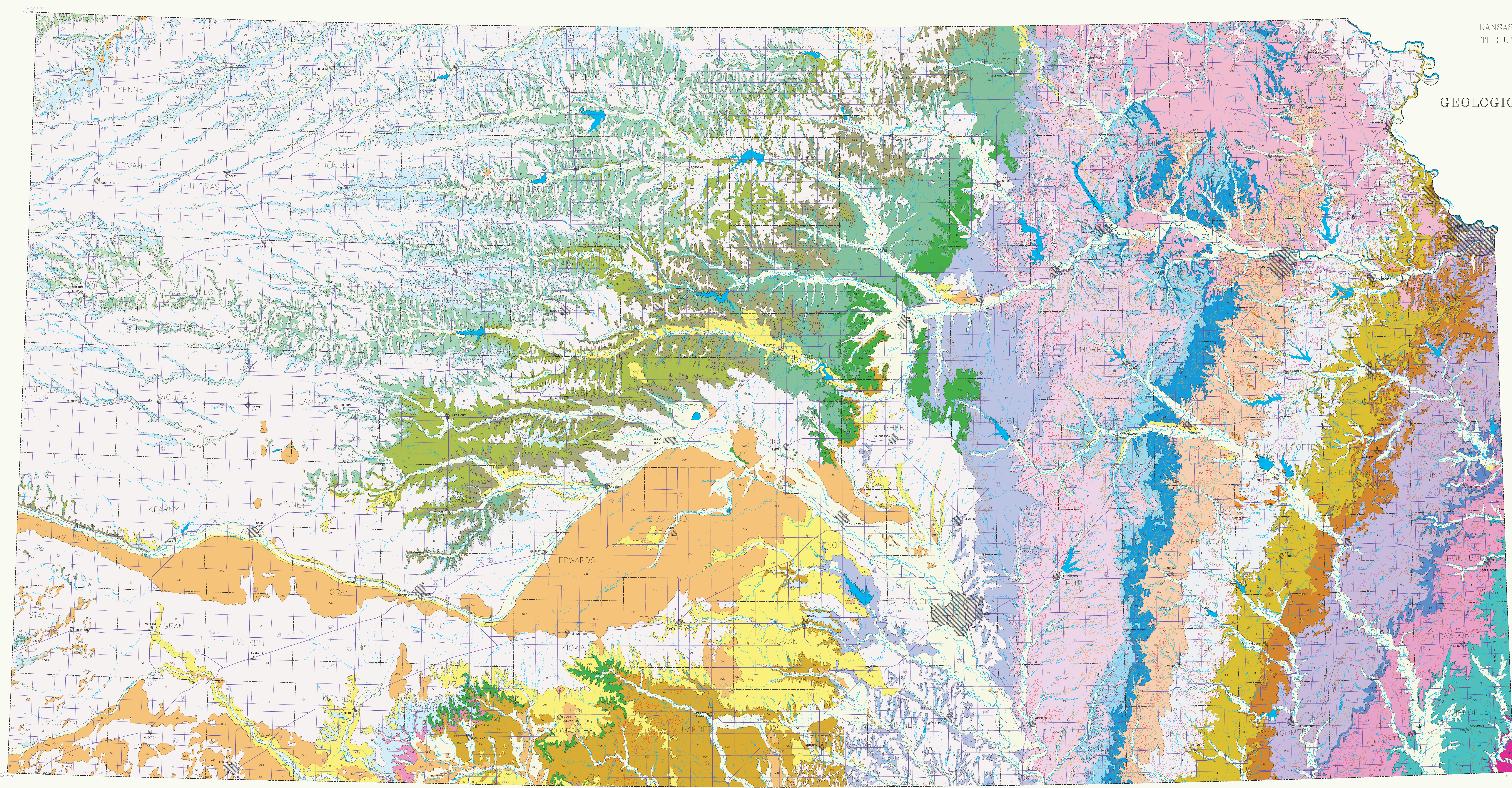


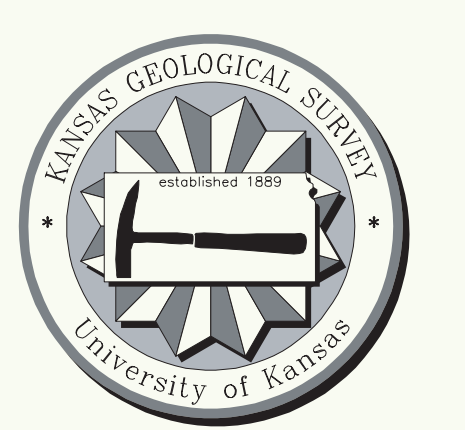


KANSAS GEOLOGICAL SURVEY
THE UNIVERSITY OF KANSAS
MAP M-23

GEOLOGIC MAP OF KANSAS

1991

Digital Compilation by
Jorgina A. Ross



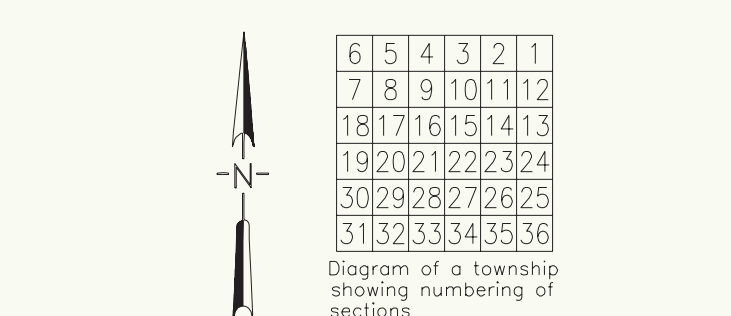
This map is based largely on the
Geologic Map of Kansas, Kansas
Geological Survey (scale 1:500,000),
1964.

Major changes in the unit designa-
tions have been made in coordina-
tion with the Kansas Geological
Survey Lexicon Committee (see
*Lexicon of stratigraphic nomenclature for
Kansas*, by Boers et al.). The top
of the Admire Group has been ex-
tended up through units previous-
ly in the Council Grove Group to
the base of the New Limestone.
Assignment of the Admire Group
has been moved from the Permian
to the Pennsylvanian System.

The counties affected by these
changes are Cowley, Chautauquus,
Butler, Greenwald, Chase, Morris,
Osage, Webbsburg, Riley, Jackson,
Pottawatomie, Marshall, Nemaha,
and Brown. In addition, numerous
minor changes and corrections
from the 1964 map have been
incorporated in this map.

The computer map compilation was
done by Jorgina A. Ross, with the
assistance of Michael Kwak-Wing Wong,
Mei-Chyn Han, Deborah S. Kirshen,
Rocky Kwak-Wan Wong, and William
Kwak-Yu Wong. Charles G. Ross assisted
in project analysis and digital strategies.

The geologic updates made in this map
were reviewed by Jorgina A. Ross, with
the assistance of Lawrence L. Brady
and David R. Collins.

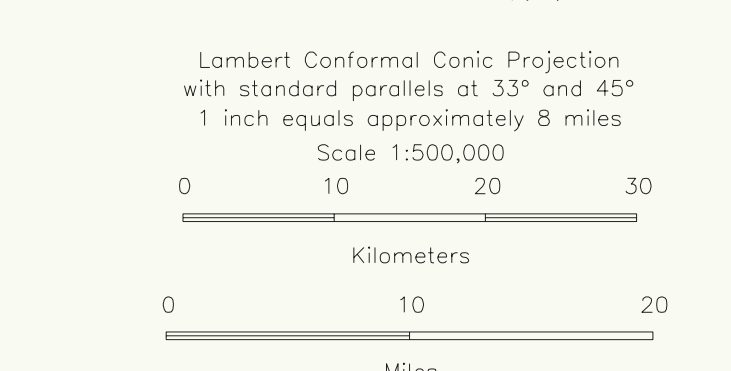


Kansas Sample

feet	meters	kilometers	miles
1.60934	1	0.000621	0.000379
3.28084	1	0.001242	0.000758
1.60934	1	0.000621	0.000379
1.60934	1	0.000621	0.000379
1.60934	1	0.000621	0.000379
1.60934	1	0.000621	0.000379
1.60934	1	0.000621	0.000379
1.60934	1	0.000621	0.000379
1.60934	1	0.000621	0.000379
1.60934	1	0.000621	0.000379

To convert feet to meters multiply by 0.3048
To convert meters to feet multiply by 3.2808
To convert kilometers to miles multiply by 0.621371
To convert miles to kilometers multiply by 1.60934

Lambert Conformal Conic Projection
with standard parallels at 37° and 43°
1 inch equals approximately 63 miles
Scale 1:500,000



This map was produced by computer-aided cartography using
the Kansas Geological Survey Interactive Mapping System and
the Kansas Geological Survey Interactive Mapping System. The
map was produced by Jorgina A. Ross, with the assistance of
Michael Kwak-Wing Wong, Mei-Chyn Han, Deborah S. Kirshen,
Rocky Kwak-Wan Wong, and William Kwak-Yu Wong.

Geographic reference to this map:
Kansas Geological Survey, 1441, Geologic Map of Kansas,
Map M-23, scale 1:500,000.

EXPLANATION OF AREAL GEOLOGY
SEDIMENTARY ROCKS

Cenozoic
(Formal names of stratigraphic units not included with Pleistocene Series)

QUATERNARY SYSTEM
Holocene and Pleistocene Series
Post-Kansas Deposits

- Alluvium
- Dune Sand
- Leess

Kansan and Older Deposits

- Alluvium
- Drift
- Glacial Boundary

TERTIARY SYSTEM

- Terrace Deposits
- Miocene Series
- Ogallala Formation

Mesozoic

CRETACEOUS SYSTEM

- Pierre Shale
- Niobrara Chalk
- Carlile Shale
- Greenhorn Limestone and Granger Shale
- Dakota Formation
- Kiowa Shale and Cheyenne Sandstone

TRIASSIC SYSTEM

- Deckum Group

Paleozoic

PERMIAN SYSTEM

Guadalupe Series

- Nippewalla Group
- Sumner Group

MISSISSIPPIAN SYSTEM

Meramec and Osage Series

- Kimberlite
- Lamprophyre

CRETACEOUS IGNEOUS ROCKS

Wolfcampian Series

- Chase Group
- Council Grove Group

PENNSYLVANIAN SYSTEM

Virgilian Series

- Admire Group
- Wabunsee Group
- Shawnee Group
- Douglas Group

Misourian Series

- Lansing Group
- Kansas City Group
- Pleasanton Group

Desmoinesian Series

- Marmaton Group
- Cherokee Group

