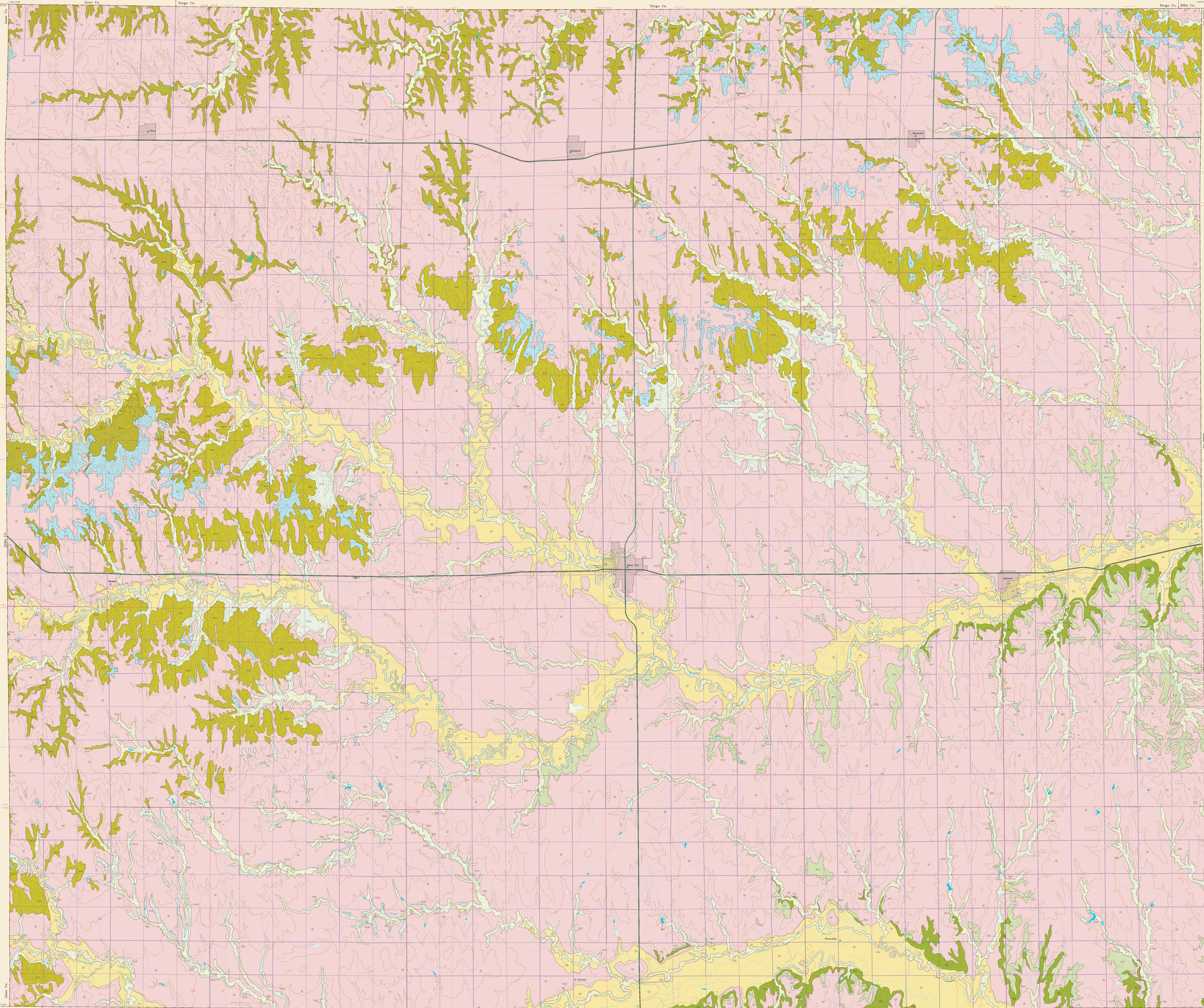




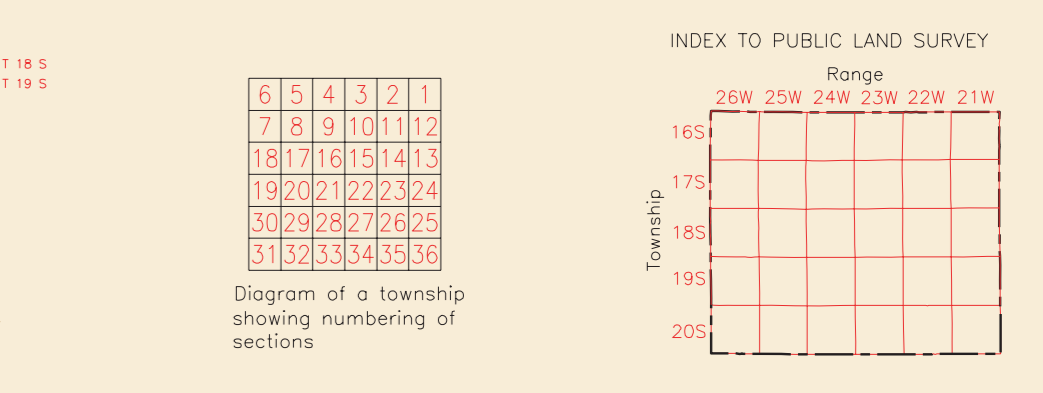
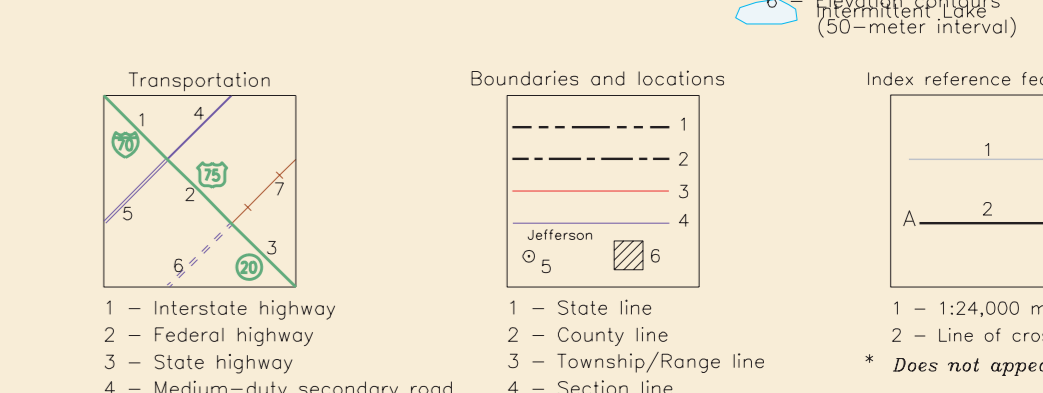
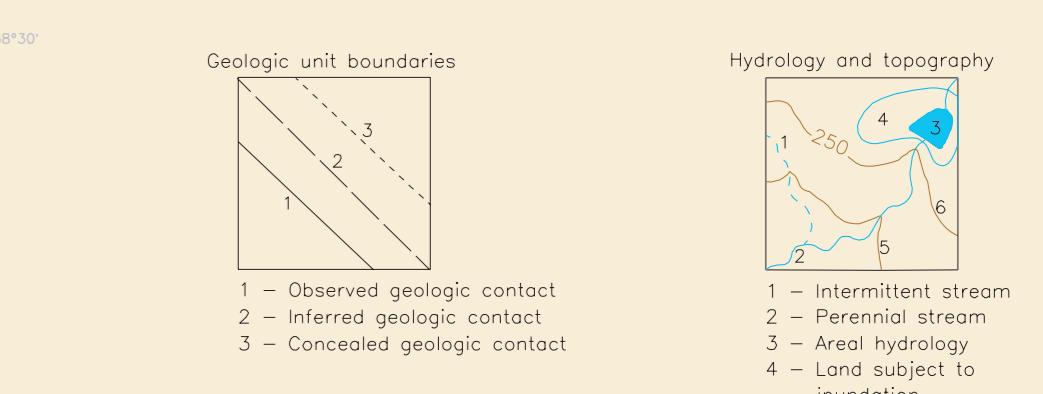
**GEOLOGIC MAP OF
NESS COUNTY,
KANSAS
1996**

Geology mapped by
Kenneth R. Neuchouser
Tina M. Wilcox
Bruce A. Schumacher

Computer compilation
and cartography by
Joseph A. Hartz
C. Michael Eckert

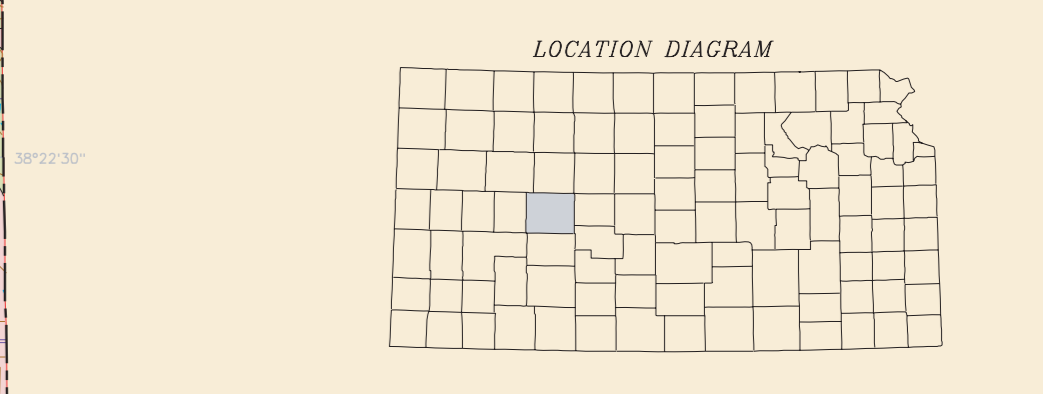


System	Group	Formation	Composite Stratigraphic Section	Description
TERTIARY QUATERNARY	Pleistocene	Alluvium	Al	Alluvium: Deep, loose beds of streams and rivers. Composed of sand, silt, and gravel. May be locally cemented and may contain pebbles of local origin.
		Terrace Deposit	Qt	Terrace Deposits: Coarsely sandy to silty, clay, and silt. They are local and may be locally cemented. They are composed of sand, silt, and gravel. They are composed of sand, silt, and gravel. They are composed of sand, silt, and gravel.
		Loess	Lo	Loess: Quaternary, mostly fine-grained, wind-blown silt and clay. It is locally cemented and may contain pebbles of local origin.
Cretaceous	Ogallala	Ogallala	Qo	Ogallala Formation: Mostly clay, silt, and sand. It is locally cemented and may contain pebbles of local origin.
		Niobrara Chalk	Ni	Niobrara Chalk Member: White, yellow, and gray. It is mostly composed of sand, silt, and clay. It is mostly composed of sand, silt, and clay. It is mostly composed of sand, silt, and clay.
Cretaceous	Ogallala	Blue Hill Chalk Member	BH	Blue Hill Chalk Member: Medium- to dark-gray, blue, and green. It is mostly composed of sand, silt, and clay. It is mostly composed of sand, silt, and clay. It is mostly composed of sand, silt, and clay.
		Carlisle Sh.	Ca	Carlisle Sh. Member: Medium- to dark-gray, blue, and green. It is mostly composed of sand, silt, and clay. It is mostly composed of sand, silt, and clay. It is mostly composed of sand, silt, and clay.
		Greenhorn Ls.	Gr	Greenhorn Limestone: Alternating beds of gray and green. It is mostly composed of sand, silt, and clay. It is mostly composed of sand, silt, and clay. It is mostly composed of sand, silt, and clay.



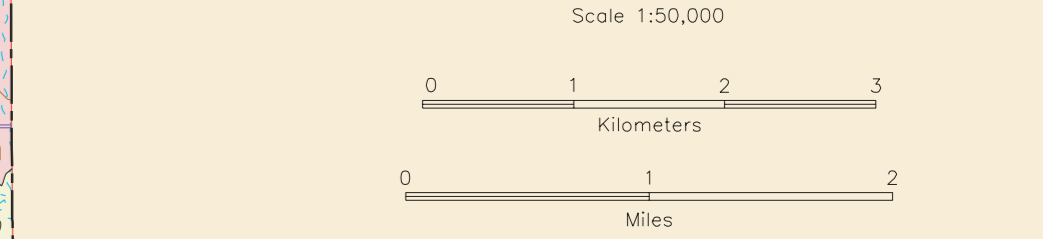
INDEX TO 1:24,000 - SCALE MAPS

Map No.	Year	Scale
1	1981	1:24,000
2	1981	1:24,000
3	1981	1:24,000
4	1981	1:24,000
5	1981	1:24,000
6	1981	1:24,000
7	1981	1:24,000
8	1981	1:24,000
9	1981	1:24,000
10	1981	1:24,000
11	1981	1:24,000
12	1981	1:24,000
13	1981	1:24,000
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15	1981	1:24,000
16	1981	1:24,000
17	1981	1:24,000
18	1981	1:24,000
19	1981	1:24,000
20	1981	1:24,000
21	1981	1:24,000
22	1981	1:24,000
23	1981	1:24,000
24	1981	1:24,000



CONVERSION TABLE

Feet	Meters	Miles	Kilometers
1	0.3048	0.000125	0.000305
1000	304.8	0.000311	0.000793
10000	3048	0.00311	0.00793
100000	30480	0.0311	0.0793
1000000	304800	0.311	0.793
10000000	3048000	3.11	7.93
100000000	30480000	31.1	79.3
1000000000	304800000	311	793



Elevation contours are presented for general reference. They are based on USGS 1:250,000-scale maps. In some areas the contours from the USGS may be more generalized than the best maps used for compilation of geologic outcrop patterns. Outcrop patterns on the map will typically reflect topographic variations more accurately than the associated contour lines. Repeated fluctuations of an outcrop line across a contour line should be interpreted as an indication that the mapped rock unit is unconformably related to the underlying geologic unit.

This map was prepared by computer-aided cartography using the GIMMS (Geologic Information Management System) and the Production System developed at the Kansas Geological Survey.

The Kansas Geological Survey does not guarantee this map to be free from errors or misstatements and disclaims any responsibility for any consequences or damages resulting from the use of this map.

Suggested reference to this map:
Neuchouser, K. R., Wilcox, T. M., and Schumacher, B. A., 1996, Geologic map of Ness County, Kansas. Kansas Geological Survey, Map M-47, 1:50,000.