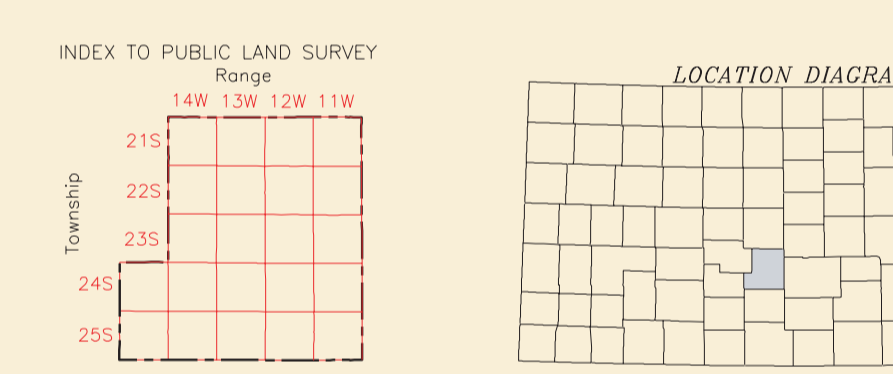
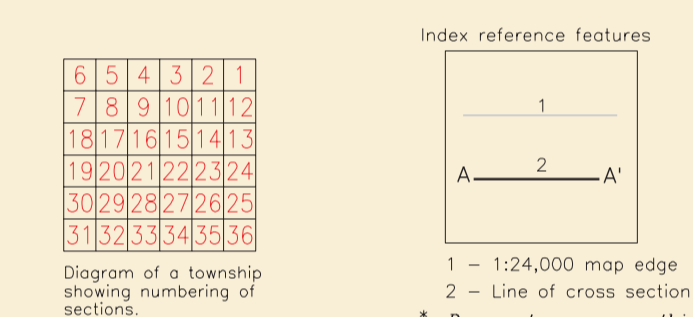
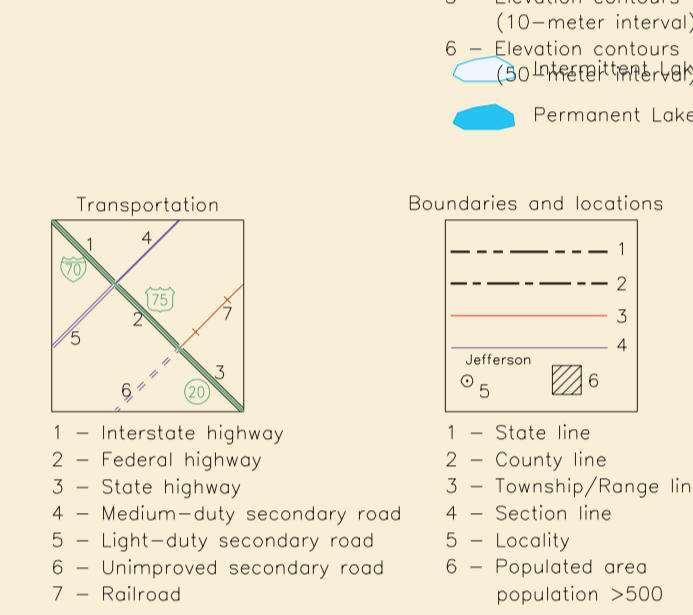
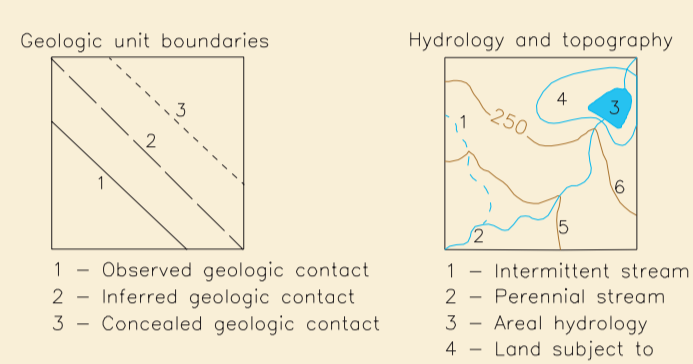




# GEOLOGIC MAP OF STAFFORD COUNTY, KANSAS 1996

Geology mapped by  
Alvin F. Arkogast  
William C. Johnson

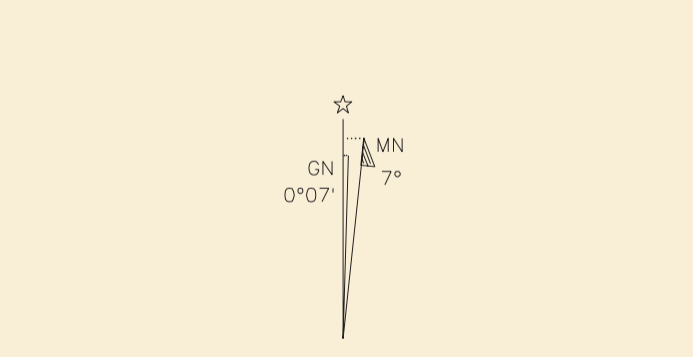
- QUATERNARY SYSTEM**  
HOLOCENE SERIES  
PLEISTOCENE SERIES
- Qal** Floodplain and low terrace deposits ranging in composition from gravel to clay. Late Holocene age. Thickness: 0 - 50 feet.
  - Dg** High terrace and valley side-wall deposits ranging in composition from coarse gravel to clay. Pleistocene to early Holocene age. Thickness: 0 - 100 feet.
  - Qum** Undifferentiated alluvial and local river deposits ranging from sand to clay, associated with the Little and Big Salt Marshes. Pleistocene to Holocene age. Thickness: 0 - 100 feet.
  - Quss** Undifferentiated alluvial and alluvial sand sheets of low relief that range in composition from sand to clay. Pleistocene to Holocene age. Thickness: 0 - 50 feet.
  - Hrsa** High-relief, slightly undulating, irregular dunes without steep slip faces.
  - Cdp** Dune fields displaying traces or remnants of parabolic dune limbs with superimposed, steep slip faces.
  - Cp** Dune fields consisting largely of superimposed parabolic forms. Dune fields composed of discrete parabolic dunes.
  - Ql** Wind-deposited, fine-grained sediments, dominantly silt sized. Exhibits flat to slightly undulating topography, includes Pleistocene and Holocene age deposits. Thickness: 0 - 20 feet.



**INDEX TO 1:24,000 - SCALE MAPS**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

- 1. Potters Park - 1958 (24 1/2)
- 2. Deer Run - 1958 (25 3/4)
- 3. Edwards - 1957
- 4. Edwards - 1957
- 5. Edwards - 1957
- 6. Edwards - 1957
- 7. Edwards - 1957
- 8. Big Salt Marsh - 1971
- 9. Edwards - 1972
- 10. Edwards - 1972
- 11. Edwards - 1972
- 12. Edwards - 1972
- 13. Edwards - 1972
- 14. Edwards - 1971
- 15. Hudson SE - 1971
- 16. Little Salt Marsh - 1971
- 17. Edwards - 1972
- 18. Edwards - 1972
- 19. Salt Marsh - 1972
- 20. Edwards - 1972
- 21. Edwards - 1971
- 22. Edwards - 1972
- 23. Edwards - 1971
- 24. Edwards - 1971
- 25. Edwards - 1971
- 26. Edwards - 1971
- 27. Edwards - 1971
- 28. Edwards - 1971
- 29. Edwards - 1971
- 30. Edwards - 1971



**CONVERSION TABLE**

feet	meters (International)	miles
1,200	0.3348	0.0007
2,400	0.6696	0.0014
3,600	1.0044	0.0021
4,800	1.3392	0.0028

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 0.6214  
To convert miles to kilometers, multiply by 1.6094

Elevation contours are presented for general reference. They are taken from USGS Digital Line Graph (DLG) data compiled from base maps of a scale of 1:100,000. In some places the contours from the DLG may be more generalized than the base maps used for compilation of geologic outcrop patterns. Outcrop patterns on the map will be more detailed and accurate than the contours on the map. Repeated fluctuations of the contour line across a contact line should be interpreted as an indication that the mapped rock unit is maintaining a relatively constant elevation along a geologic contour.

The geology was mapped using the U.S.G.S. 1:24,000 - scale (7.5-minute) topographic maps, field notes, and aerial photography, and field surveys. Published materials consulted include the U.S. Department of Geological Survey of Stafford County (Dodge, Hoffman, and Hirsch, 1978) and Geology and Ground-water Resources of Barton and Stafford Counties (Latta, Kansas Geological Survey, 1950).

This map was produced by computer-aided cartography using the CADMAP Geologic Interactive Mapping Map Analysis and Production) system developed at the Kansas Geological Survey.

The Kansas Geological Survey does not guarantee this map to be free from errors or inaccuracies and disclaims any responsibility or liability for interpretations made from the map or decisions based thereon.

**Suggested reference to this map:**  
Johnson, W.C., and Arkogast, A.F., 1996. Geologic Map, Stafford County, Kansas. Kansas Geological Survey, Map M-46, scale 1:50,000.