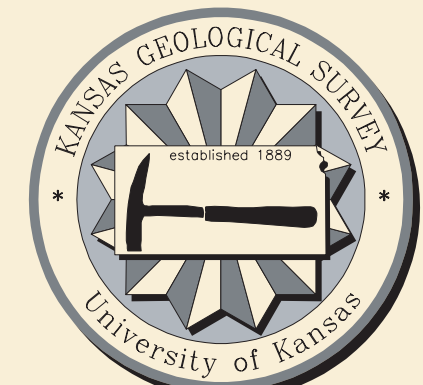
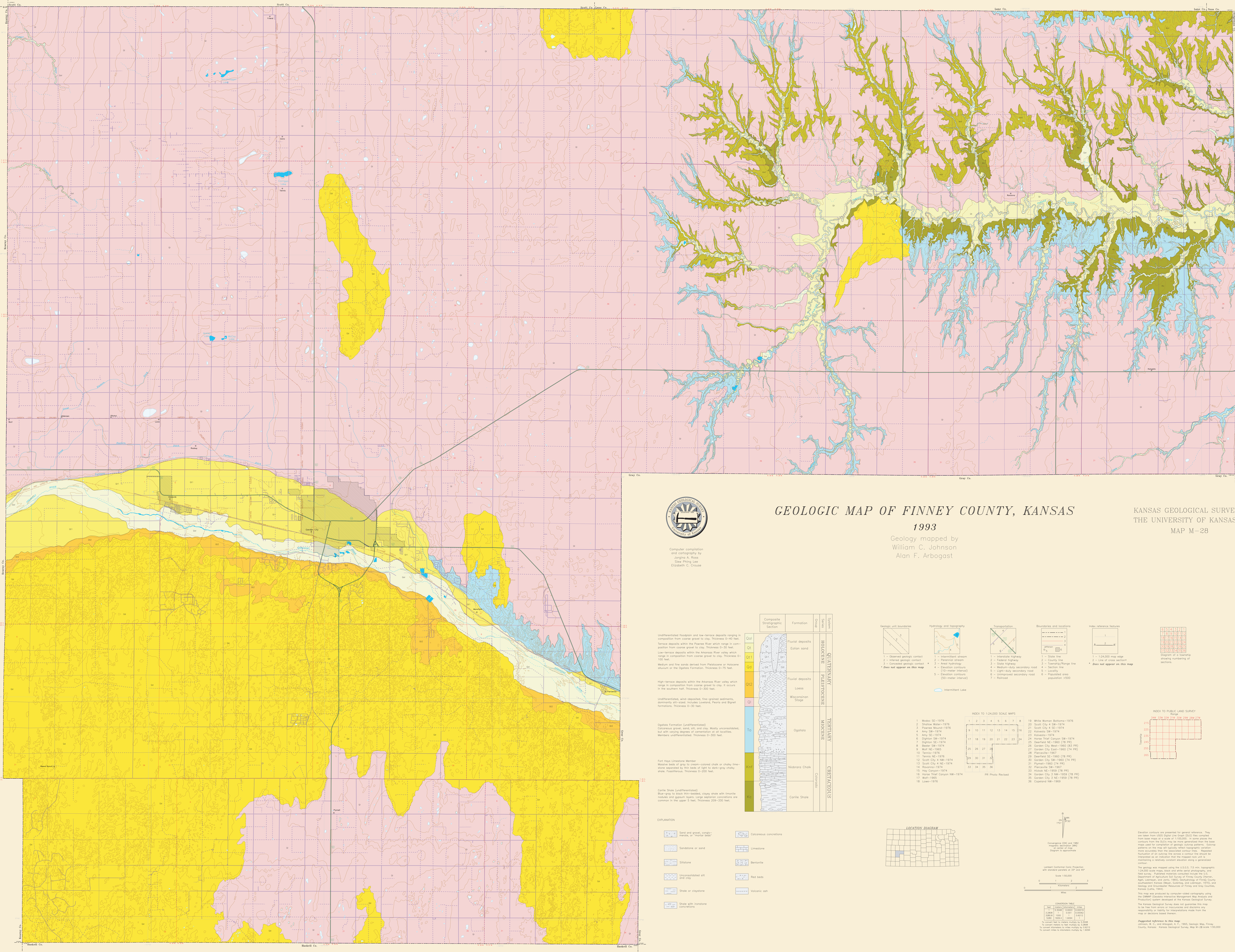




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GEOLOGIC MAP OF FINNEY COUNTY, KANSAS

1993

Geology mapped by
William C. Johnson
Alan F. Arbogast

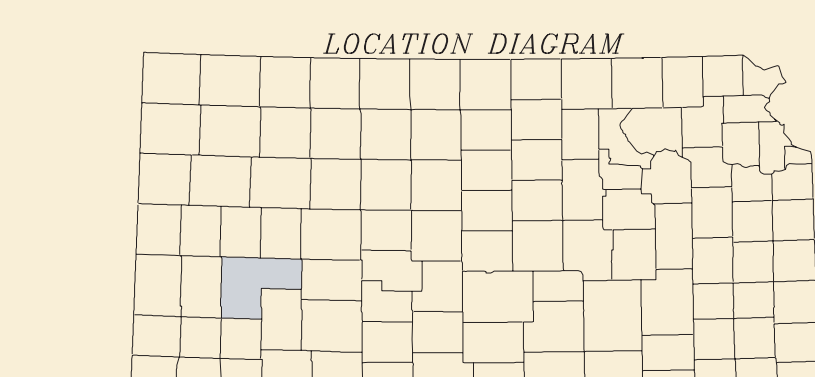
KANSAS GEOLOGICAL SURVEY
THE UNIVERSITY OF KANSAS
MAP M-28

Composite Stratigraphic Section		Formation	System
Qal	Qal	Fluvial deposits	QUATERNARY
Q1	Q1	Edison sand	
Q11	Q11	Fluvial deposits	PLEISTOCENE
Q12	Q12	Loess	
Q13	Q13	Wagonwheel Stage	TERTIARY
Q14	Q14	Ogallala	
To	To	Nobara Chalk	CRETACEOUS
K1	K1	Corral Shale	

EXPLANATION	
	Calcareous concretions
	Limestone
	Bentonite
	Red beds
	Volcanic ash

Geologic unit boundaries	Hydrology and topography	Transportation	Boundaries and locations	Index reference features
1 - Observed geologic contact 2 - Inferred geologic contact 3 - Consequent geologic contact 4 - Directional contact (10-meter interval) 5 - Directional contact (50-meter interval)	1 - Intermittent stream 2 - Perennial stream 3 - Areal hydrology 4 - Directional contact (10-meter interval) 5 - Directional contact (50-meter interval)	1 - Interstate highway 2 - Federal highway 3 - State highway 4 - Medium-duty secondary road 5 - Light-duty secondary road 6 - Unimproved secondary road 7 - Railroad	1 - State line 2 - County line 3 - Township/Range line 4 - Section line 5 - Locality 6 - Population area 7 - Railroad	1 - 1:24,000 map edge 2 - Line of cross section 3 - Diagram of 1:24,000 map showing numbering of sections

INDEX TO 1:24,000 SCALE MAPS	INDEX TO PUBLIC LAND SURVEY
1 - Modoc NW-1976 2 - Shallow Water-1976 3 - Prairie Water-1976 4 - Any SW-1974 5 - Any SE-1974 6 - Dighton SW-1974 7 - Dighton SE-1974 8 - Becker SW-1974 9 - Becker SE-1974 10 - Tanta NW-1976 11 - Tanta SE-1976 12 - Scott City 4 NW-1974 13 - Scott City 4 SE-1974 14 - Ravenna-1974 15 - Hay Canyon-1974 16 - Horse Thief Canyon NW-1974 17 - Wolf-1960 18 - Lower-1976	19 - White Woman Bottoms-1976 20 - Scott City 4 SW-1974 21 - Scott City 4 SE-1974 22 - Ravenna SW-1974 23 - Ravenna SE-1974 24 - Horse Thief Canyon SW-1974 25 - Dighton NW-1960 (75 PR) 26 - Dighton SE-1960 (75 PR) 27 - Becker NW-1960 (75 PR) 28 - Becker SE-1960 (75 PR) 29 - Scott City 4 NW-1974 (74 PR) 30 - Scott City 4 SE-1974 (74 PR) 31 - Ravenna NW-1960 (74 PR) 32 - Ravenna SE-1960 (74 PR) 33 - Hay Canyon NW-1960 (74 PR) 34 - Hay Canyon SE-1960 (74 PR) 35 - Horse Thief Canyon NW-1960 (74 PR) 36 - Horse Thief Canyon SE-1960 (74 PR)



Circular contours are provided for general reference. They are taken from USGS Digital Line Graph (DLG) files compiled from topographic maps at a scale of 1:50,000. In some cases the contours from the DLG may be more generalized than the base map used for compilation of geologic units and names. Contour patterns on the map will reflect topographic variation more accurately than the generalized contour lines. However, the contours are not intended to be used for precise elevation interpretation or as an indicator that the mapped rock unit is conformable or unconformable with the adjacent rock unit. The map is intended to be used for general reference only.

The geologic map was compiled using the U.S.G.S. 7.5 min. topographic 1:24,000 scale maps, black and white aerial photographs, and field notes. Detailed methods are available in the U.S. Geological Survey Bulletin 1452, "Geologic Map of the Finney County, Kansas, and Adjacent Areas, 1993." Geologic maps of Finney County, Kansas, are available from the Kansas Geological Survey, 1400 West 16th Avenue, Lawrence, KS 66044, and the Kansas Geological Survey, 1400 West 16th Avenue, Lawrence, KS 66044.

This map was prepared by computer-aided cartography using the Kansas Geological Survey data base and the Kansas Geological Survey's computer-aided cartography system. The Kansas Geological Survey does not guarantee the accuracy of the map or the data base, and the user assumes all responsibility for the use of the map or the data base.

Prepared by the Kansas Geological Survey, 1400 West 16th Avenue, Lawrence, KS 66044, and the Kansas Geological Survey, 1400 West 16th Avenue, Lawrence, KS 66044.