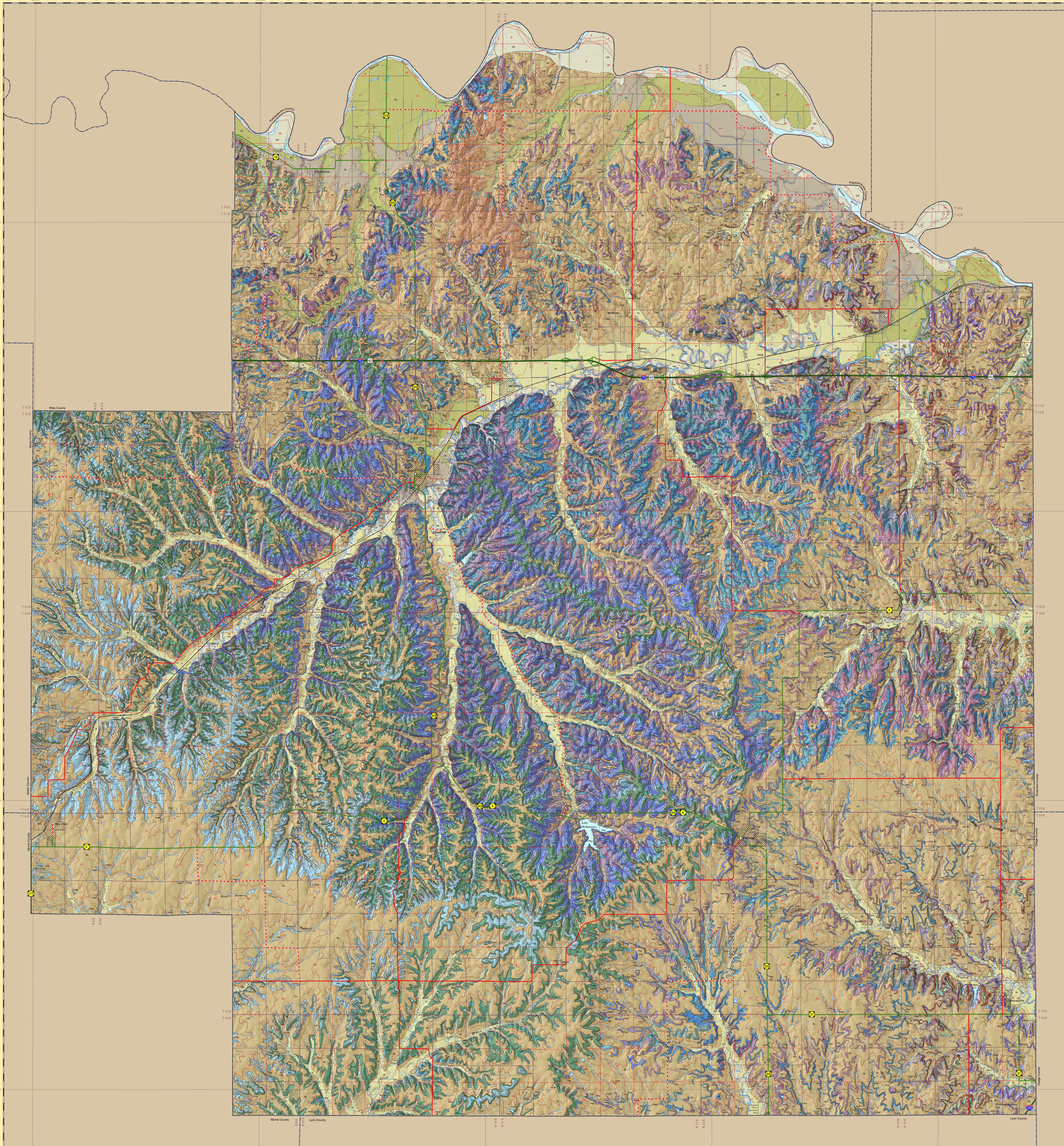


# GEOLOGIC MAP OF WABAUNSEE COUNTY, KANSAS

Geology by Melville R. Mudge and Robert H. Burton  
U.S. Geological Survey (1959)

Geologic formation boundaries adjusted by Lawrence L. Brady,  
David R. Collins, Jorgina A. Ross, and Jason D. Hartman to  
fit 1:24,000 topographic base of the U.S. Geological Survey  
2007

Computer compilation  
and cartography by  
Jorgina A. Ross  
Jason D. Hartman  
David L. Moore  
Jan L. Rasmussen  
Matthew D. Kruger  
Craig W. Wright III



Member	Formation	Group	Series	System	Epoch
Abelson				RECENT - PLEISTOCENE	QUATERNARY
Theriot					
Fort Riley Ls.				CHASSA	PERMIAN
Fort Riley Ls.					
Fort Riley Ls.					
Fort Riley Ls.					
Fort Riley Ls.					
Fort Riley Ls.					
Fort Riley Ls.					
Fort Riley Ls.					
Fort Riley Ls.					
Fort Riley Ls.					
Fort Riley Ls.					
Fort Riley Ls.					
Fort Riley Ls.				CONGEE	PERMIAN
Fort Riley Ls.					
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LITHOLOGIC EXPLANATION

Sand and gravel or conglomerate	Limestone
Sandstone or sand	Cherty limestone
Crossbedded sandstone	Oolitic limestone
Shale	Crossbedded limestone
Marl	Shaly limestone
Shale or siltstone	Dolomitic limestone
Carbonaceous shale	Dolomite
Silt	Coal
Limestone concretion	Sandstone concretion

**Adjustment Techniques**  
This map is based on interpretation of Mudge and Burton (1959). Field work for the original map was done in the 1950s. The map is based on topographic data as it existed in 1959. The map is based on topographic data as it existed in 1959. The map is based on topographic data as it existed in 1959.

**References**  
Collins, D. R., 1997. Missing information from published geologic maps (an extractive industry). In: Selver, D. R. (ed.), Digital Mapping Techniques '97 - Proceedings of a Workshop on Digital Mapping Techniques. Methods for Geologic Map Data Capture, Management, and Publication. U.S. Geological Survey, Open-File Report 97-201, p. 41-56.

**Location Diagram**  
A small map showing the location of Wabaunsee County within the state of Kansas.

**GENERALIZED GEOLOGY OF KANSAS**  
A legend showing the geological systems and series of Kansas, including Quaternary, Chassa, Congee, and Auburn.

**CONVERSION TABLE**  
A table for converting units between feet, meters, and kilometers.

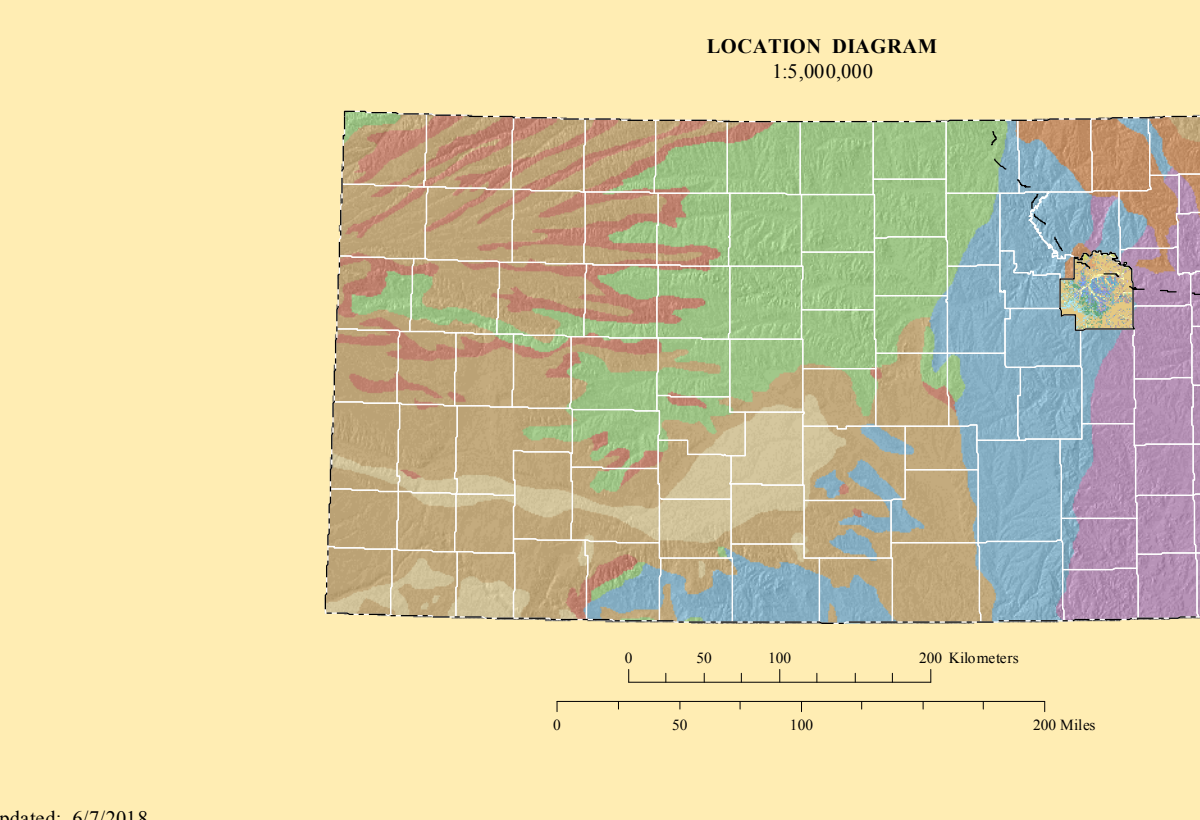
**Geologic Features**  
A legend for geologic features such as faults, folds, and unconformities.

**Topography**  
A legend for topographic features such as roads, trails, and water bodies.

**Scale**  
A graphic scale bar showing distances in miles and kilometers.

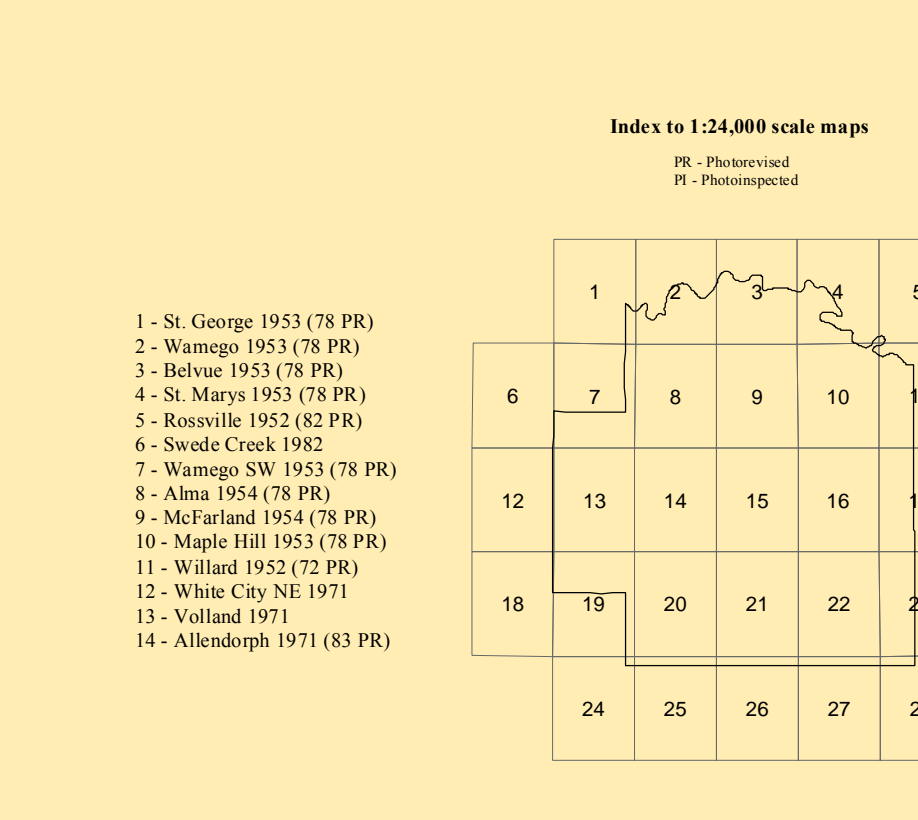
**North Arrow**  
A north arrow indicating the orientation of the map.

**Notes**  
Additional notes and information regarding the map's production and use.



**GENERALIZED GEOLOGY OF KANSAS**

Series	Formation
Recent - Pleistocene Series	Louis and non-railly deposits
	Sand dunes
Chassa Series	Chassal deposits
	Loess of Kansas Climates
Congee Series	Opalite
	Opalite
	Opalite
	Opalite
	Opalite
	Opalite
Auburn Series	Opalite
	Opalite



**CONVERSION TABLE**

Feet	Meters
1	0.3048
10	3.048
100	30.48
1,000	304.8
10,000	3,048
100,000	30,480
1,000,000	304,800
10,000,000	3,048,000
100,000,000	30,480,000
1,000,000,000	304,800,000

**Geologic Features**

1 - Fault
2 - Fault
3 - Fault
4 - Fault
5 - Fault
6 - Fault
7 - Fault
8 - Fault
9 - Fault
10 - Fault

**Topography**

1 - Interstate highway
2 - Federal highway
3 - State highway
4 - County highway
5 - Road
6 - Road
7 - Road
8 - Road
9 - Road
10 - Road

**Scale**

0	1	2	3	4	5	6	7	8	9	10
0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5

**North Arrow**

**Notes**