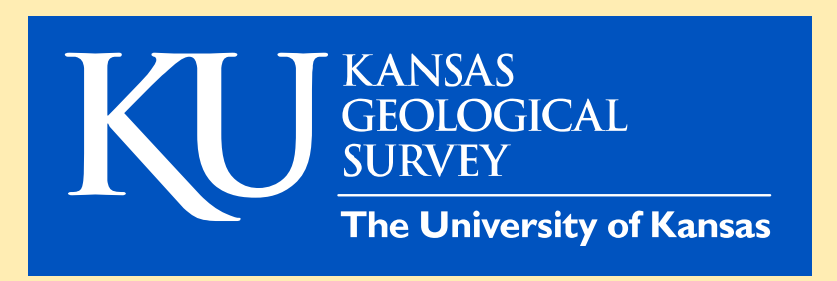


GEOLOGIC MAP OF LYON COUNTY, KANSAS

Geology by Howard G. O'Connor
 Kansas Geological Survey (mapped 1952)
 Originally published 1953

Geologic formation boundaries adjusted by David R. Collins
 to fit 1:24,000 topographic base of the U.S. Geological Survey

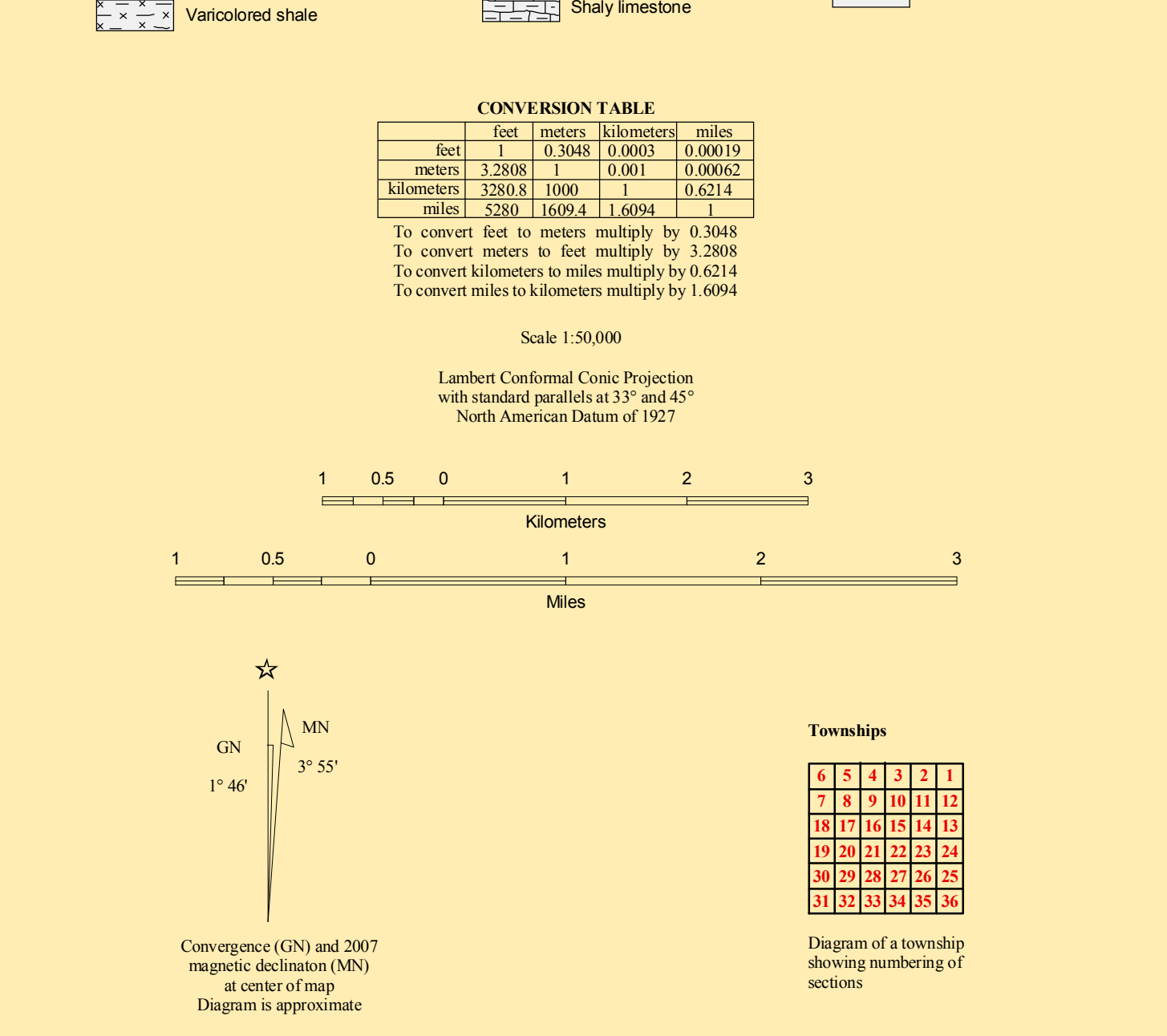
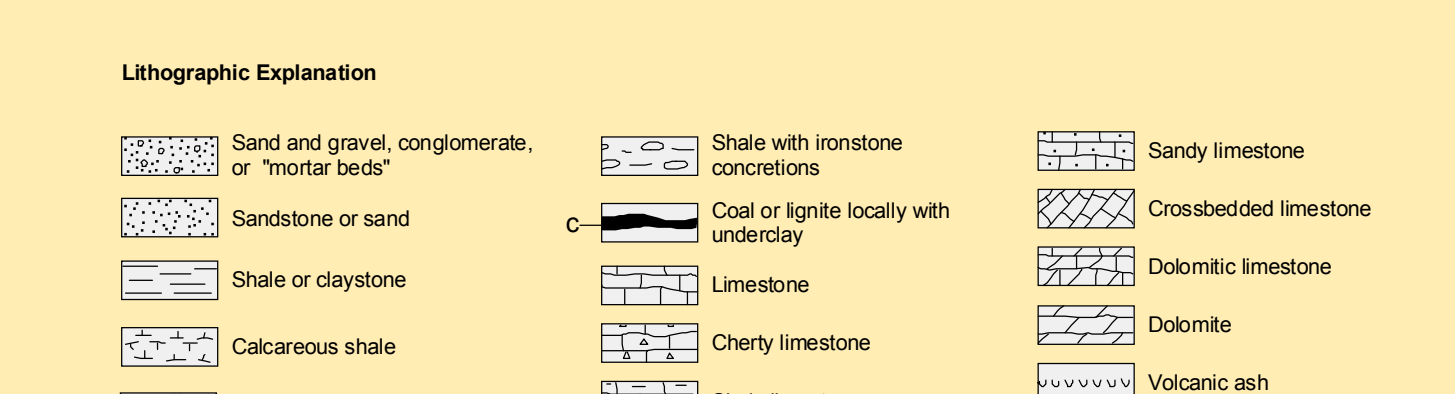
2007



KANSAS GEOLOGICAL SURVEY
 THE UNIVERSITY OF KANSAS
 MAP M-105

Computer compilation
 and cartography by
 Benjamin A. Baker
 David Means
 John R. Ramirez
 Christopher R. Bunker

Member	Formation	Group	Stage	System	ERA
Abilene	Abilene	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Wigwam terrace deposits	Wigwam terrace deposits	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Emporia terrace deposits	Emporia terrace deposits	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
The Kansas includes deposits of Pleistocene, Pliocene and Miocene age.					
Florence Ls	Barnston Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Blue Springs Sh	Blue Springs Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Kinney Ls	Matfield Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Wynona Sh	Wynona Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Schroyer Ls	Schroyer Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Hawesville Sh	Hawesville Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Threemile Ls	Threemile Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Spillar Sh	Spillar Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Furston Ls	Furston Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Blue Rapids Sh	Blue Rapids Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Howe Ls	Howe Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Crouse Ls	Crouse Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Easy Creek Sh	Easy Creek Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Madison Ls	Madison Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Bader Ls	Bader Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Elm Ls	Elm Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Stearns Sh	Stearns Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Merrill Ls	Merrill Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Flower Sh	Flower Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Collamer Ls	Collamer Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Eskridge Sh	Eskridge Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Neva Ls	Neva Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Salmon Point Sh	Salmon Point Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Logan Sh	Logan Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Rocky Hill Ls	Rocky Hill Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Howell Ls	Howell Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Summit Sh	Summit Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Johnson Sh	Johnson Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Long Creek Ls	Long Creek Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Hughes Creek Sh	Hughes Creek Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Amesbury Ls	Amesbury Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Dana Sh	Dana Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Houston Creek Ls	Houston Creek Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Stark Sh	Stark Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Hamlin Sh	Hamlin Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Five Point Ls	Five Point Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
West Branch Sh	West Branch Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Falls City Ls	Falls City Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Hawkey Sh	Hawkey Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Agnew Ls	Agnew Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Towle Sh	Towle Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Blountville Ls	Blountville Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Gray Ls	Gray Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Carsonville Ls	Carsonville Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
French Creek Sh	French Creek Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Jen Creek Ls	Jen Creek Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Grandhaven Ls	Grandhaven Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Dry Sh	Dry Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Lower Ls	Lower Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Langdon Sh	Langdon Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Maple Hill Ls	Maple Hill Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Plerson Point Sh	Plerson Point Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Tyring Ls	Tyring Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Willard Sh	Willard Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Elmer Ls	Elmer Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Harrisonville Sh	Harrisonville Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Reading Ls	Reading Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Auburn Sh	Auburn Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Vickarville Ls	Vickarville Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Judith Ls	Judith Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Burlingame Ls	Burlingame Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Silver Lake Sh	Silver Lake Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Rulo Ls	Rulo Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Cedar Vale Sh	Cedar Vale Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Happy Hollow Ls	Happy Hollow Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
White Cloud Sh	White Cloud Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Udell Ls	Udell Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Howard Ls	Howard Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Sevier Sh	Sevier Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Dix Rock Ls	Dix Rock Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Tappan Ls	Tappan Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Topkopa Ls	Topkopa Ls	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
Calhoun Sh	Calhoun Sh	Recent-Pliocene	Recent-Pliocene	QUATERNARY	CENOZOIC
WOLFCAMPANIAN					
PERMIAN					
COCCILLINIAN					
PALEOZOIC					
VIROGIAN					
PENNSYLVANIAN					



Adjustment Techniques:
 This map is based on the interpretation of O'Connor (1953). Field work for the original map was done during 1968 to 1970 without the benefit of modern topographic and base maps. The techniques for developing the updated version - a process that simply adjusts the original geologic data to fit modern topographic maps - were described by Ross (1990). Collins (1997) and by Ross and Collins (1997), and involved the transfer of geologic information and critical map lines from the original geologic map to a modern 1:24,000-scale topographic base. The 1:24,000-scale contour patterns were then derived, and the resulting data adjusted to the base map using standard methods.

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