Geologic Map of the Lyndon quadrangle, Osage County, Kansas

2001

David R. Collins

Computer compilation
and cartography by
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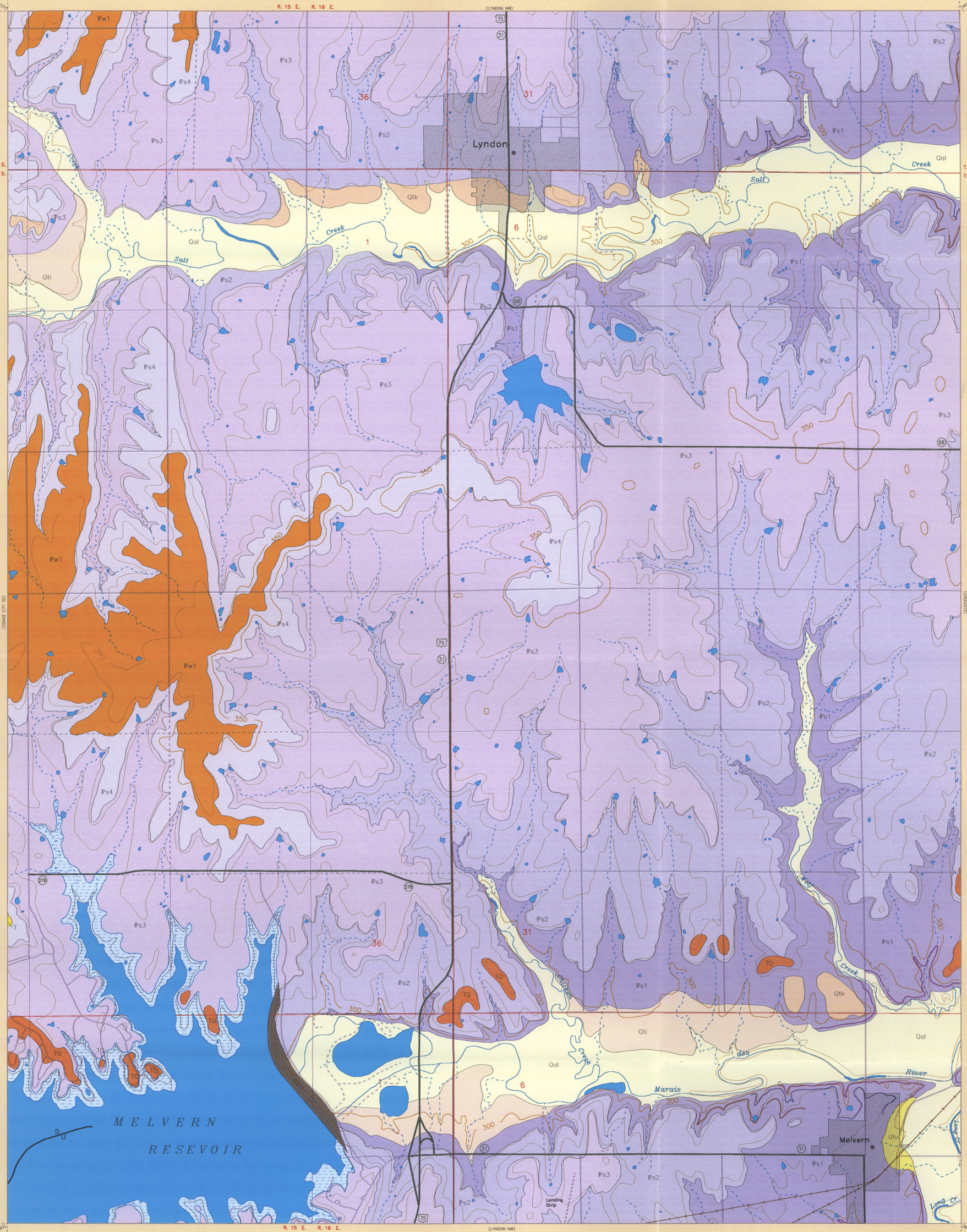
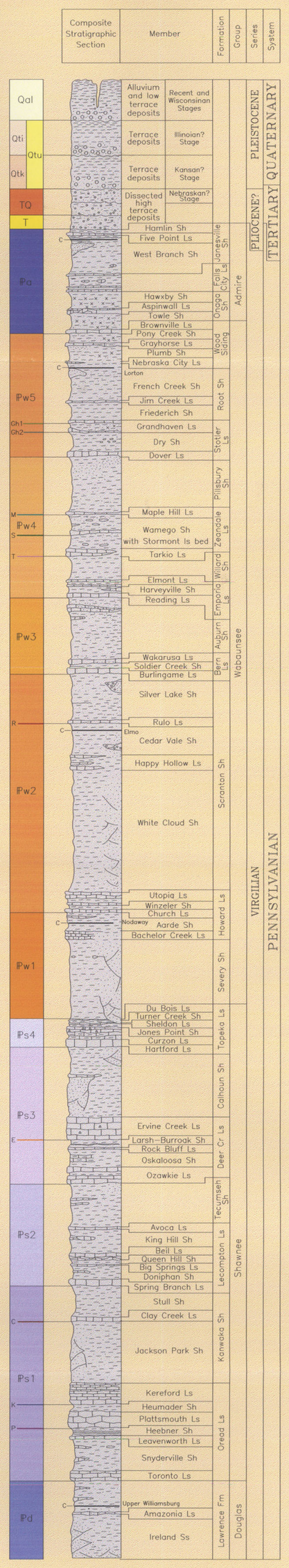
Michael Bunn

KANSAS GEOLOGICAL SURVEY
THE UNIVERSITY OF KANSAS
OFR 2001–43





Elevation contours are presented for general reference. They are taken from USGS Digital Line Graph (DLG) files compiled from base maps at a scale of 1:100,000. In some places the contours from the DLG's may be more generalized than the base maps used for compilation of geologic outcrop patterns. Outcrop patterns on the map will typically reflect topographic variation more accurately than the associated contour lines. Repeated fluctuation of an outcrop line across a contour line should be interpreted as an indication that the mapped rock unit is maintaining a relatively constant elevation along a generalized contour. The geology was mapped in the field using U.S.G.S. 7.5–min. 1:24,000–scale topographic maps. A preliminary 1:63,630–scale map compiled by R.C.Moore for the 1936 edition of the state geological map was available for field checking.

This map was produced by computer–aided cartography using the GIMMAP (Geodata Interactive Management 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:
Collins, D.R., 2001, Geologic Map of the Lyndon quadrangle, Osage County, Kansas: Kansas Geological Survey, Open File Report 2001 – 43, data compiled at 1:24,000 from interpretation of information presented in Moore, Jewett, and O'Connor(1951), and other sources.

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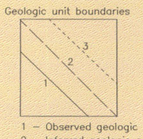
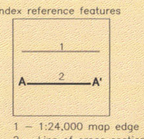
Geologic unit boundaries



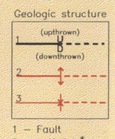
1 – Observed geologic contact
2 – Inferred geologic contact
3 – Concealed geologic contact*
*** Does not appear on this map***

Index reference features



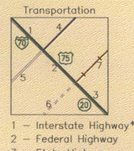
1 – 1:24,000 map edge
2 – Line of cross section*
*** Does not appear on this map***

Geologic structure



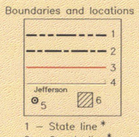
1 – Fault
2 – Anticline*
3 – Syncline*
(solid where observed)
(dashed where inferred)
*** Does not appear on this map***

Transportation



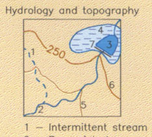
1 – Interstate Highway*
2 – Federal Highway
3 – State Highway
4 – Medium–duty secondary road
5 – Light–duty secondary road
6 – Unimproved secondary road
7 – Railroad
*** Does not appear on this map***

Boundaries and locations



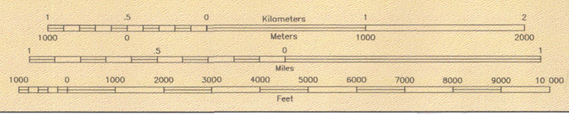
1 – State line*
2 – County line*
3 – Township/Range line
4 – Section line
5 – Locality
6 – Populated area
population >500
*** Does not appear on this map***

Hydrology and topography

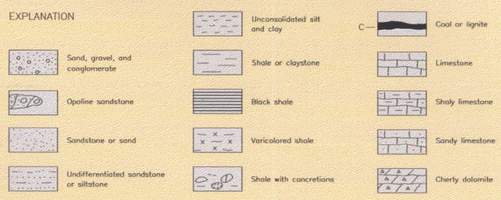


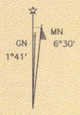
1 – Intermittent stream
2 – Perennial stream
3 – Areal hydrology
4 – Land subject to inundation
5 – Elevation contours (10–meter interval)
6 – Elevation contours (50–meter interval)
7 – Dam

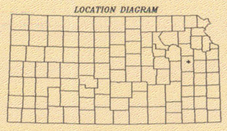
Scale 1:24,000
Modified Polyconic Projection



EXPLANATION





Convergence (GN) and 1983 magnetic declination (MN) at center of map
Diagram is approximate

LOCATION DIAGRAM