

**KANSAS GEOLOGICAL SURVEY  
OPEN-FILE REPORT 2003-4**

GEOLOGY OF JEFFERSON COUNTY, KANSAS

by

D. F. Merriam

*Disclaimer*

The Kansas Geological Survey does not guarantee this document to be free from errors or inaccuracies and disclaims any responsibility or liability for interpretations based on data used in the production of this document or decisions based thereon. This report is intended to make results of research available at the earliest possible date, but is not intended to constitute final or formal publications.

Kansas Geological Survey  
1930 Constant Avenue  
University of Kansas  
Lawrence, KS 66047-3726

Kansas Geological Survey Open-File Report 2003-4  
2003

Geology of Jefferson County, Kansas

by

D.F. Merriam

*Kansas Geological Survey, University of Kansas, Lawrence, KS 66047*

Surface mapping the geology of Jefferson County is an extension of previous mapping in eastern Kansas by Merriam (1995, 1996, 1997, 1998, 1999, 2003a, and 2003b).

These maps are the result of many years work in the Permo-Pennsylvanian of eastern Kansas while at the Kansas Survey and Wichita State University. Numerous stratigraphic studies in these rocks have been published collimating publication of *The Stratigraphic Record in Kansas* (Merriam, 2003c).

This effort is part of an on-going remapping of the State on a scale of 1:24,000 (7½ quadrangles). Although some of the counties have been mapped previously, they either were oriented towards groundwater studies or mapped on a more general scale (e.g. 1 in = 1 mi).

As each quadrangle in Jefferson County is completed, a copy will be placed in this open file so that the data are available.

Arrington  
Eastern SW  
\*Grantville  
Half Mound  
Holton SE  
McLouth  
Meriden,  
\*Midland  
Nortonville  
Oskaloosa  
Ozawkie  
\*Perry  
Potter  
Valley Falls  
\*Williamstown  
Winchester

---

\* completed and in open file

## References

- Merriam, D.F., 1995, Geologic map of Chautauqua County, Kansas: Kansas Geol. Survey Map M-43, scale: 1:50,000.
- Merriam, D.F., 1996, Geologic map of Elk, County, Kansas: Kansas Geol. Survey Map M-49, scale: 1:50,000.
- Merriam, D.F., 1997, Geologic map of Greenwood County: Kansas Geol. Survey Map M-50, scale: 1:50,000.
- Merriam, D.F., 1998, Geology of Woodson County: Kansas Geol. Survey Map M-52, scale: 1:50,000.
- Merriam, D.F., 1999, Geology of Coffey County, Kansas: Kansas Geol. Survey Map M-59, scale: 1:50,000.
- Merriam, D.F., 2003a, Geology of Douglas County, Kansas: Kansas Geol. Survey Map 96, scale: 1:50,000, in preparation.
- Merriam, D.F., 2003b, Geology of Franklin County, Kansas: Kansas Geol. Survey Map 103, scale: 1:50,000, in preparation.
- Merriam, D.F., 2003c, The stratigraphic record in Kansas: Kansas Geol. Survey Chart, in preparation.