

**KANSAS GEOLOGICAL SURVEY
OPEN-FILE REPORT 2003-23**

PRELIMINARY GEOLOGIC FIELD MAPS OF PORTIONS
OF SALINE COUNTY, KANSAS

by

J.R. McCauley

Disclaimer

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

SALINE COUNTY QUADRANGLE MAPS

The following eight quadrangle maps are photocopies of field maps submitted by the Kansas Geological Survey as part of the STATEMAP Agreement 03HQAG0052 for FY03 (May 1, 2003 to April 30, 2004). The following five quadrangles have been added to **Kansas Geological Survey Open-File Report 2003-23 "Preliminary Geologic Field Maps of portions of Saline County, Kansas.**

Quadrangles included in the FY03 mapping effort --

Complete Quadrangles

Salina SW
Smolan

Partial Quadrangles

Trenton
New Cambria
Lindsborg

GEOLOGIC MAPS -- SALINE COUNTY

By
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FULL QUADS:

Salina SW
Smolan

PARTIAL QUADS:

Trenton
NSW Cambria
Lindsborg

Quaternary

Qal -- Aluvium (0-70')

Cretaceous

Kd -- Dakota Fm. (0-200')
Kk - Kiowa Fm. (70-120')

Permian

Pn - Ninescah Shale (0-60')
Pw - Wellington Fm. (0-60')

SALINE COUNTY QUADRANGLE MAPS

The following eight quadrangle maps are photocopies of field maps submitted by the Kansas Geological Survey as part of the STATEMAP Agreement #02HQAG0029 for FY02 (May 1, 2002 to April 30, 2003). The following four quadrangles form **Kansas Geological Survey Open-File Report 2003-23 ‘Preliminary Geologic Field Maps of portions of Saline County, Kansas.**

Quadrangles included in the FY02 mapping effort--

Complete Quadrangles

**Brookville
Falun**

Partial Quadrangles

**Junata
Culver
Brookville SW
Venango
Marquette
Langley**

GEOLOGIC MAPS -- SALINE COUNTY

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FULL QUADS:

Brookville
Falun

PARTIAL QUADS:

Juniata
Culver
Brookville SW
Venango
Langley
Marquette

Quaternary

Qal -- Aluvium (0-70')

Cretaceous

Kd -- Dakota Fm. (0-200')

Kk -- Kiowa Fm. (70-120')

Permian

Pn -- Ninnescah Shale (0-60')

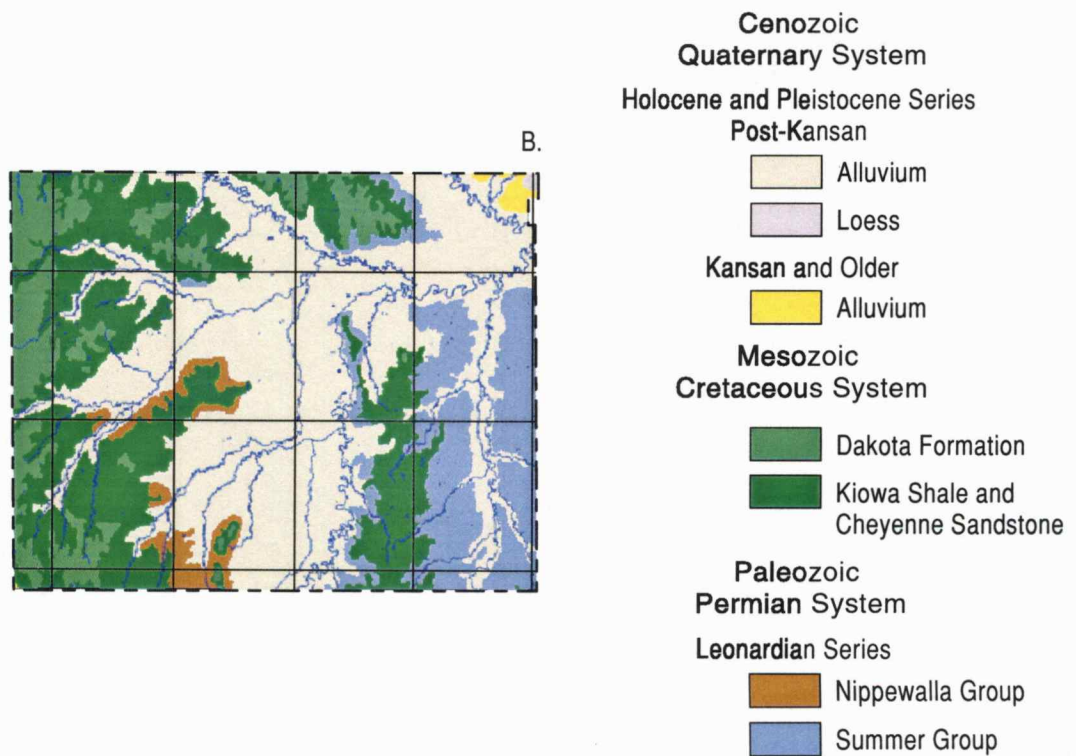
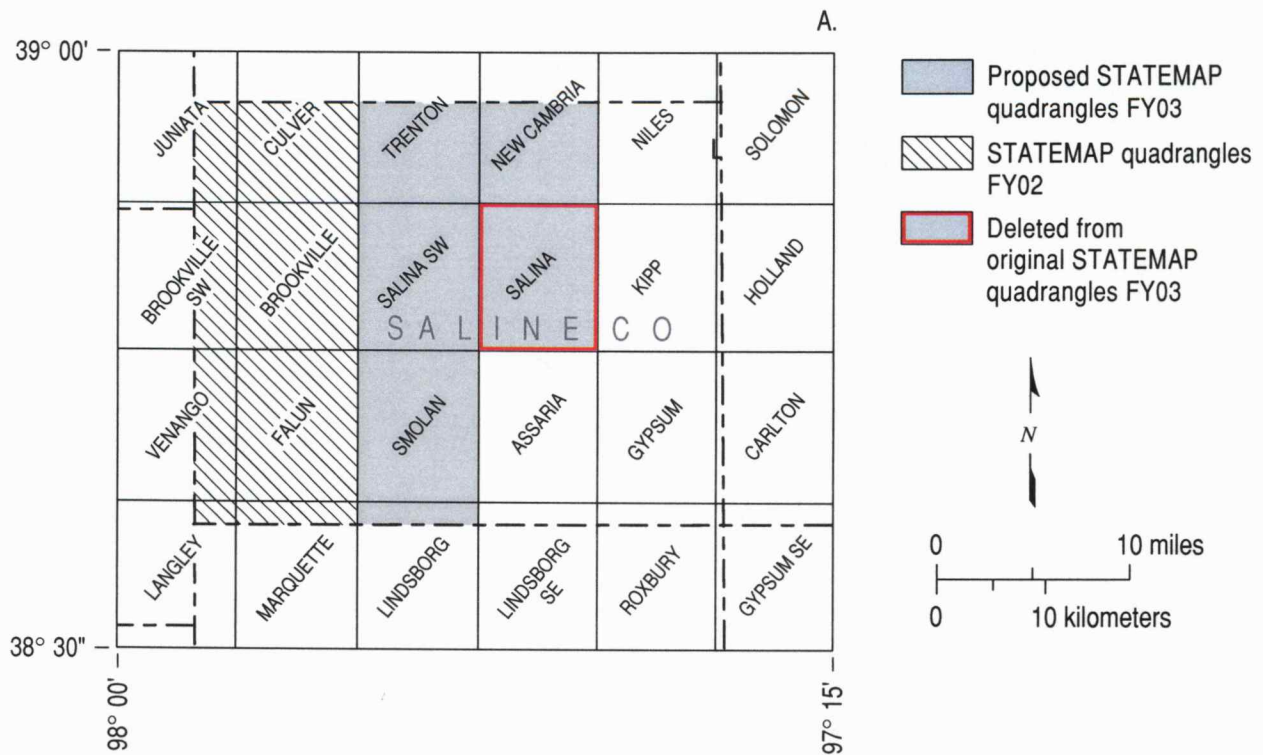


Figure 5—(A) Quadrangle maps covering Saline County, and quadrangle areas within the county proposed for the FY03 STATEMAP project; and (B) general geology of Saline County.

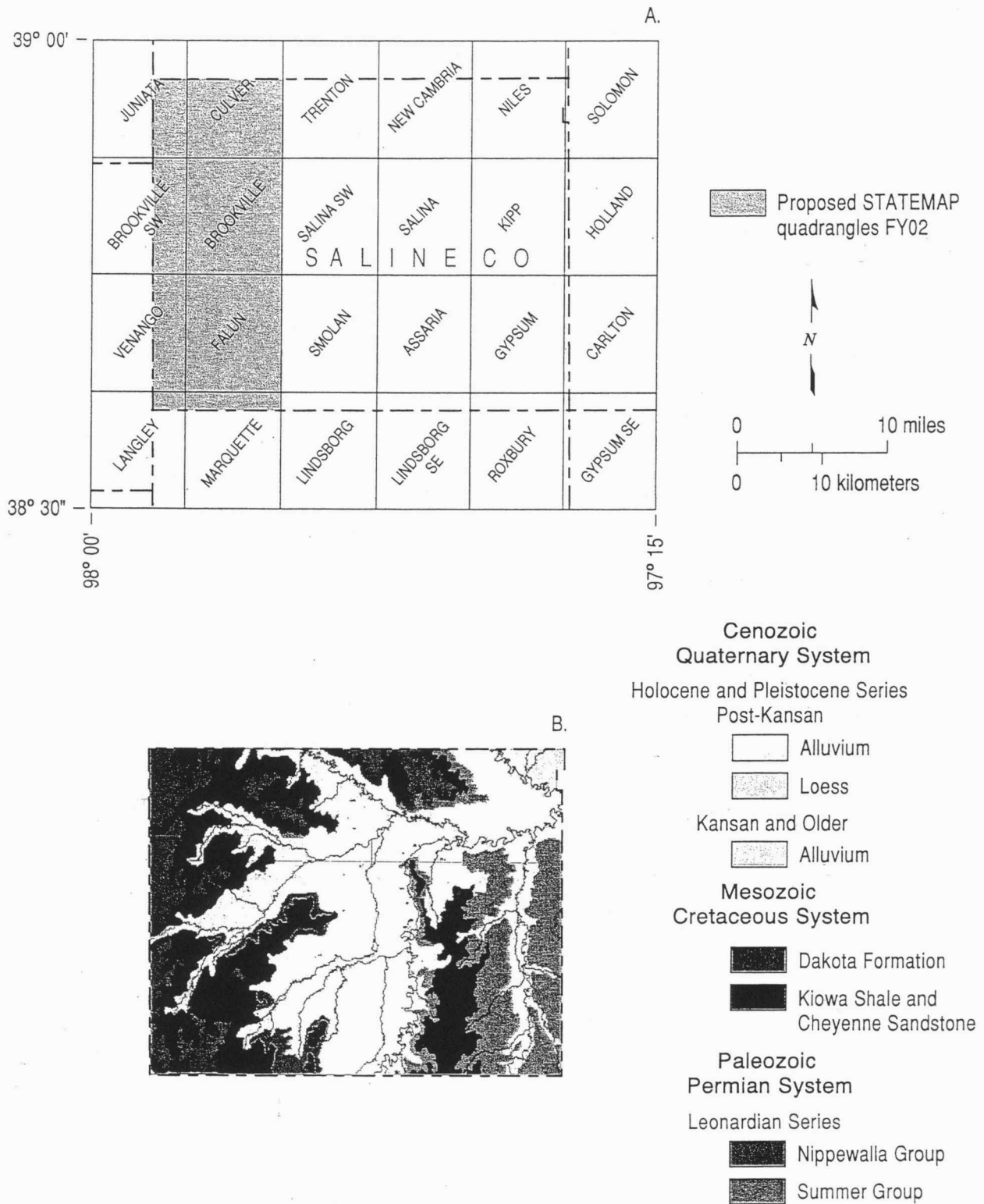


Figure 5—(A) Quadrangle maps covering Saline County, and quadrangle areas within the county proposed for the FY02 STATEMAP project; and (B) general geology of Saline County.

SALINE COUNTY PROJECT QUADRANGLE MAPS

The following two quadrangle maps are photocopies of field maps submitted by the Kansas Geological Survey as part of the STATEMAP Agreement #04HQAG0071 for FY04 (May 1, 2004 to April 30, 2005). The following two quadrangles are added to the **Kansas Geological Survey Open-File Report 2003-23 “Preliminary Field Geology Maps of portions of Saline County, Kansas”**.

Quadrangles included in the FY04 mapping effort--

Complete Quadrangles

Salina
Kipp
Assaria
Gypsum *

Partial Quadrangles (portion of quadrangle in Washington Co.)

Niles
Holland
Soloman
Lindsborg SE
Roxbury *
Gypsum SE *
Carlton *

* Note—These four complete or partial quadrangles were completed during this contract year in order to complete the field mapping of this county during this year. These quadrangles were not listed in the original deliverables in the FY04 proposal.

GEOLOGIC MAPS -- SALINE COUNTY

By

James R. McCauley

FULL QUADS:

Salina
Kipp
Assaria
Gypsum

PARTIAL QUADS:

Niles
Solomon
Holland
Carlton
Gypsum SE
Lindsborg SE
Roxbury

Quaternary

Qds -- Dune Sand (0-20')
Qal -- Aluvium (0-70')
QA1₂ -- Terrace Deposits 0-30'

Cretaceous

Kd -- Dakota Fm. (0-200')
Kk -- Kiowa Fm. (70-120')

Permian

Pn -- Ninnescah Shale (0-60')
Pw -- Wellington Fm. (150') -- C -- Base of Carlton Limestone Member