

KGS OF 2001-54 Geologic map of the Osage City SE quadrangle, Osage County, Kansas, by David R. Collins, 2001, 1 sheet, scale 1:24,000

pdf on cd-rom filed w/KGS OF 2001-53



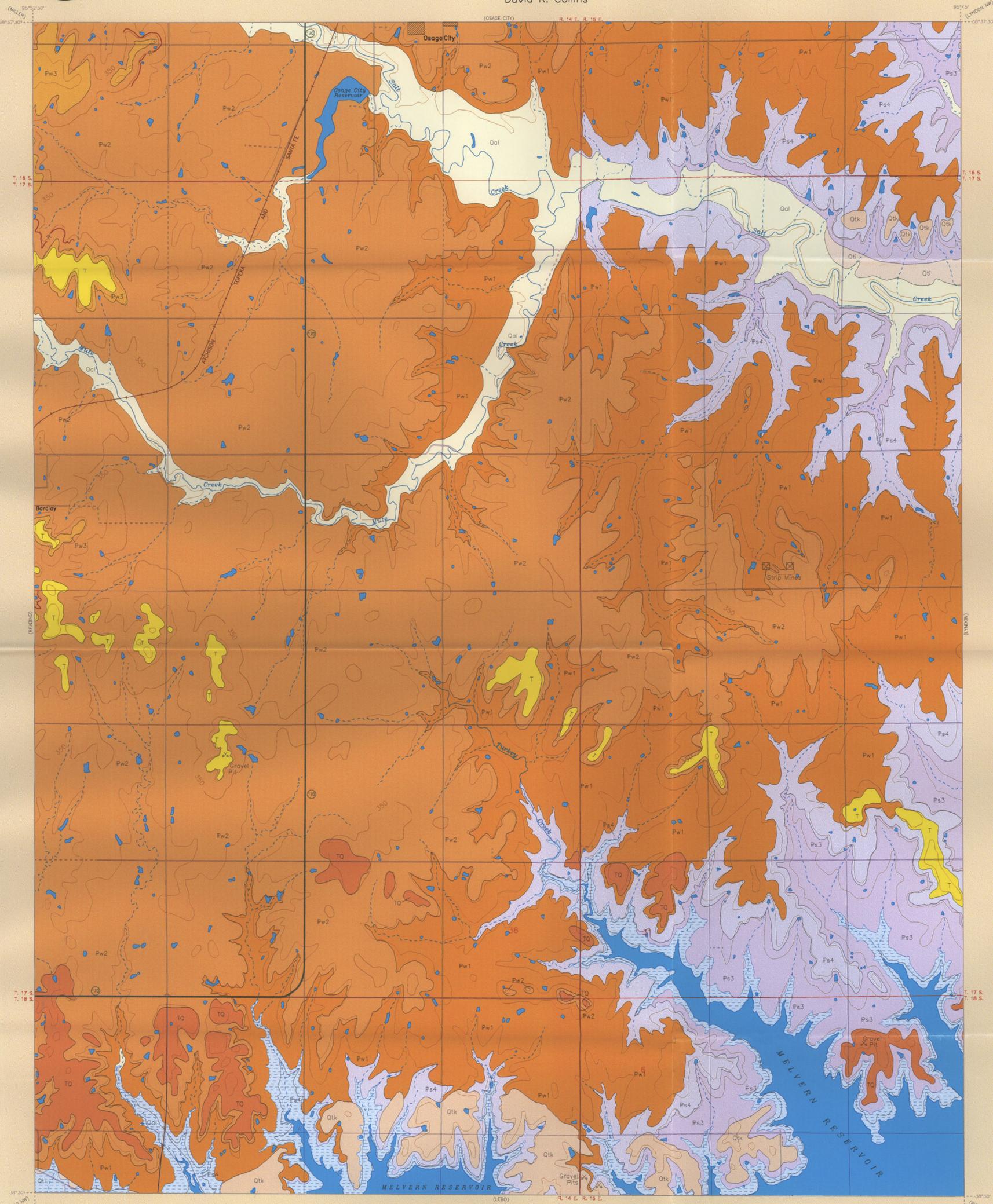
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2001

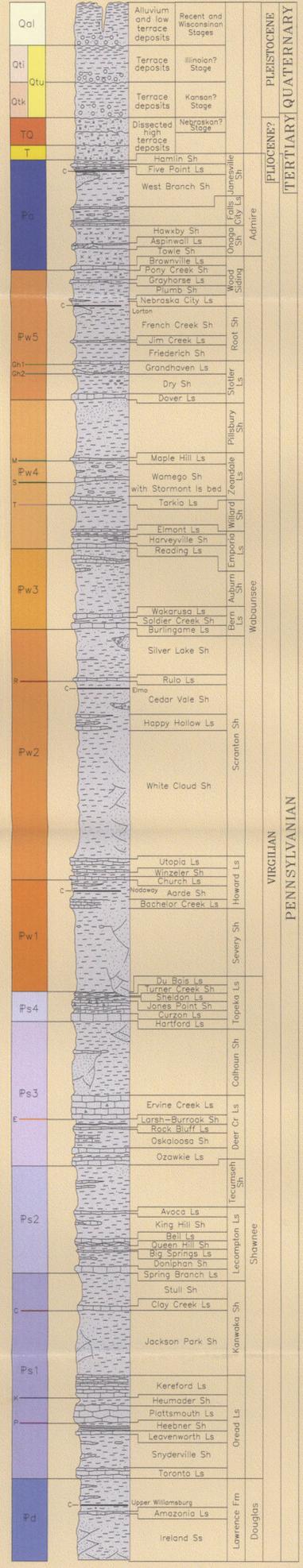
David R. Collins

Computer compilation and cartography by Jorgina A. Ross David Means

KANSAS GEOLOGICAL SURVEY THE UNIVERSITY OF KANSAS OFR 2001-54



Composite Stratigraphic Section	Member	Formation	Group	Series	System
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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 DLGs 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.

This map is based primarily on interpretation of H. G. O'Connor, 1954, "Areal Geology of Osage County, Kansas," Kansas Geological Survey, Volume 13, Plate 1, scale = 1:63,360. Topographic maps at a scale of 1:24,000 were used as base maps in the interpretation process, which include reference to other sources and limited 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:
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Partially funded by the National Cooperative Geologic Mapping STATEMAP Program.

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

Resource development

1 - Quarry*
2 - Abandoned quarry*
3 - Mine
4 - Pit
5 - Oil well*
6 - Gas well*
7 - Water well*
* 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)
7 - Railroad
* Does not appear on this map

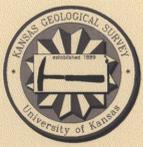
Hydrology and topography

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)

EXPLANATION

Unconsolidated silt and clay
Sand, gravel, and conglomerate
Oolite sandstone
Sandstone or sand
Undifferentiated sandstone or siltstone
Shale or claystone
Black shale
Vidua shale
Shale with concretion
Coal or lignite
Limestone
Shaly limestone
Sandy limestone
Cherty dolomite

LOCATION DIAGRAM



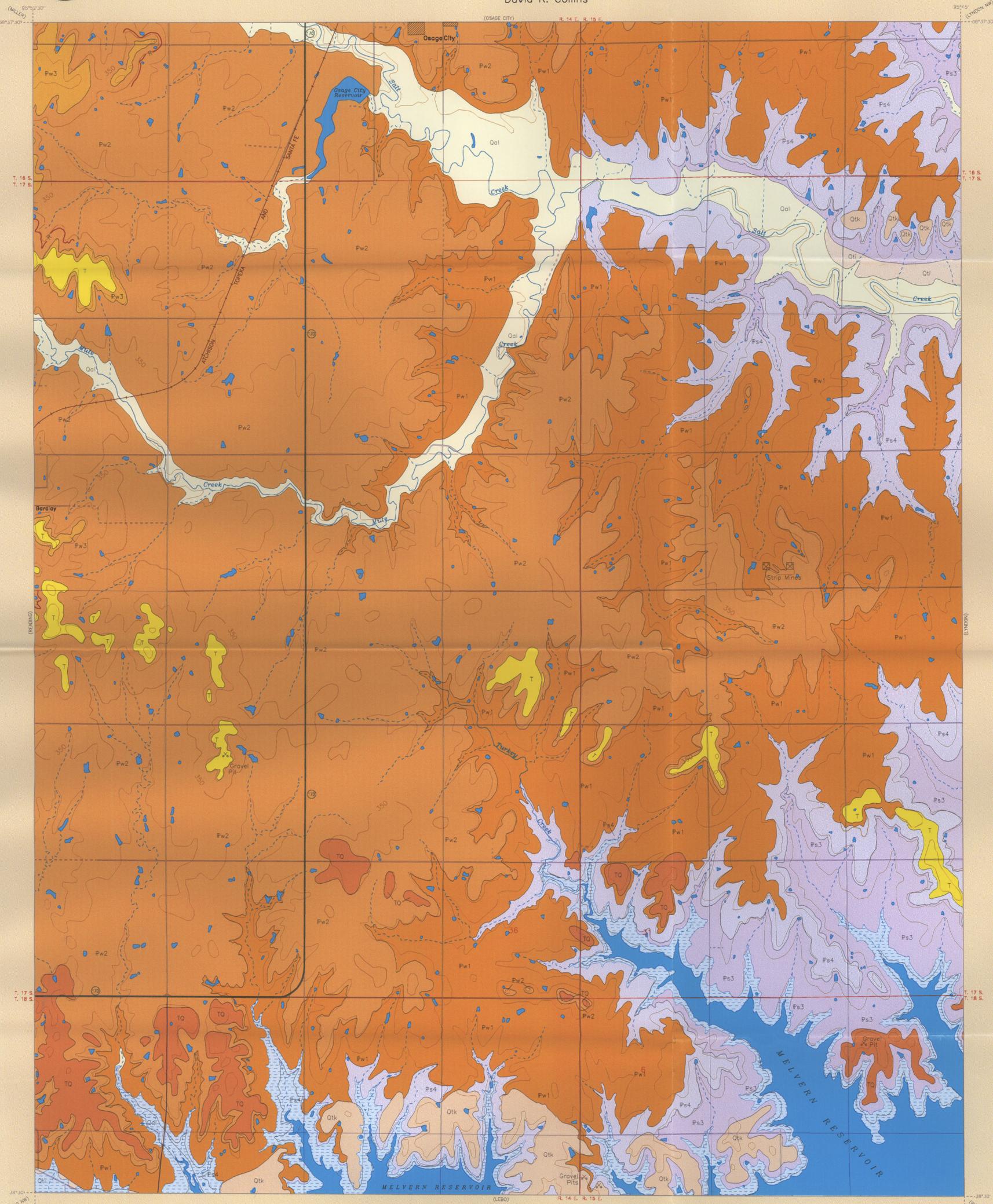
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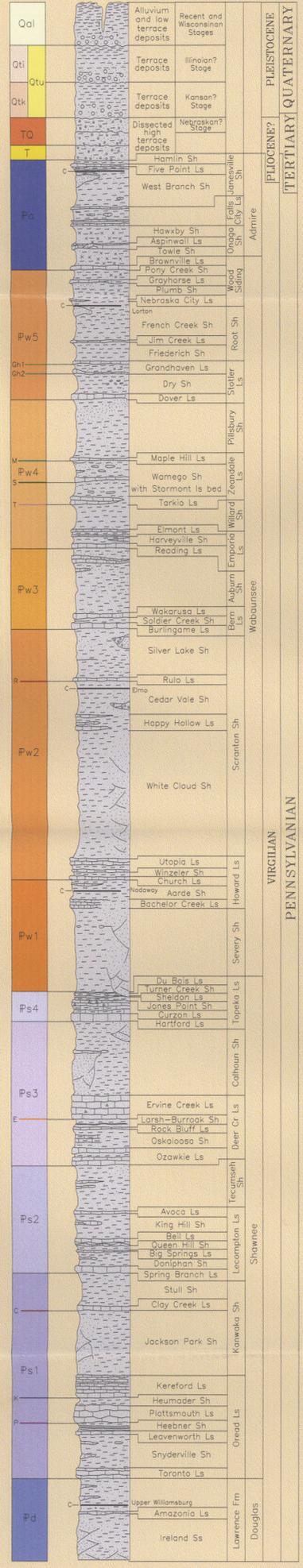
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- Opaline sandstone
- Sandstone or sand
- Undifferentiated sandstone or siltstone
- Shale or claystone
- Black shale
- Varicolored shale
- Shale with conchoidal surfaces
- Coal or lignite
- Limestone
- Shaly limestone
- Sandy limestone
- Cherty dolomite

LOCATION DIAGRAM