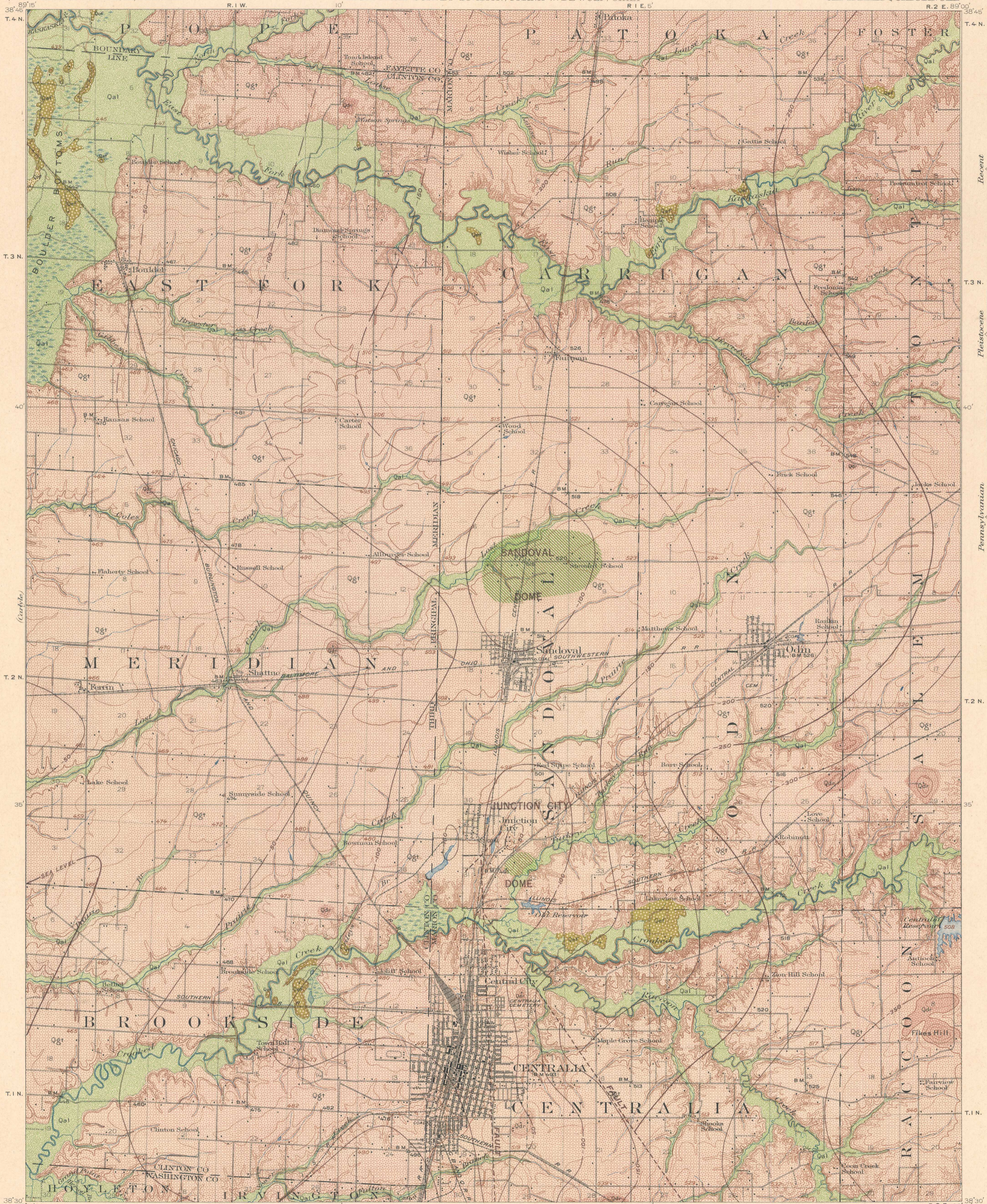


AREAL GEOLOGY

DEPARTMENT OF THE INTERIOR
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ILLINOIS
CENTRALIA QUADRANGLE



EXPLANATION

SEDIMENTARY ROCKS
(Areas of subsidence deposits are shown by patterns of parallel lines; subsided deposits by patterns of dots and circles)

- | | | |
|---------------------------|-----|--|
| Recent | Qal | Alluvium
<i>(In flood places of rivers and streams mostly silt and sand, including marsh deposits on broad or valley bottoms)</i> |
| Wisconsin stage | Qlf | Later valley filling
<i>(valley filling mainly of clay and silt, altitude of terrace surface 420 to 450 feet)</i> |
| Pleistocene
Pre-Iowan? | Qat | Earlier valley filling
<i>(valley filling mainly of clay and silt, altitude of terrace surface 440 to 450 feet)</i> |
| Illinoian stage | Qgt | Glacial till
<i>(mantled by lens of probable Peorian age, underlain by McLeansboro formation)</i> |
| | Qdr | Drift ridges,
possibly morainal
<i>(pebbly clay sand and gravel, in places mantled by lens of probable Peorian age)</i> |

UNCONFORMITY

- | | | |
|---------------|----------------|--|
| Pennsylvanian | (unconformity) | McLeansboro formation
<i>(soft shale and sandstone with some limestone and thin beds of coal underlies the whole area, but is overlaid everywhere by glacial drift)</i> |
|---------------|----------------|--|

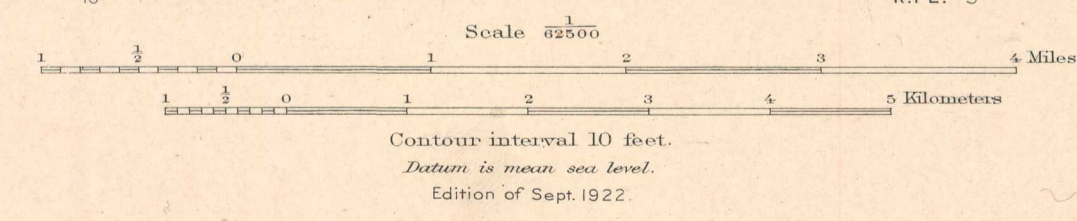
ECONOMIC AND STRUCTURE DATA

- | | |
|------------------|---|
| (contour) | Structure contours on the base of Herrin (No. 6) coal
<i>(Identical location of coal indicated by dashed lines, unless marked 50 feet datum, mean sea level)</i> |
| (diagonal lines) | Oil pools |
| (asterisk) | Coal mines |

QUATERNARY

CARBONIFEROUS

R. B. Marshall, Chief Geographer.
W. H. Herron, Geographer in charge.
Topography by C. W. Goodlove, E. W. McCrary,
and R. M. Herrington.
Control by Coast and Geodetic Survey,
J. R. Ellis, P. W. McMillen, and R. G. Clinite.
Surveyed in 1908 and 1912.
SURVEYED IN COOPERATION WITH THE STATE OF ILLINOIS.



Geology by E. W. Shaw.
Surveyed in 1912.
Structure by E. W. Shaw and Stuart St. Clair.
SURVEYED IN COOPERATION WITH THE STATE OF ILLINOIS.