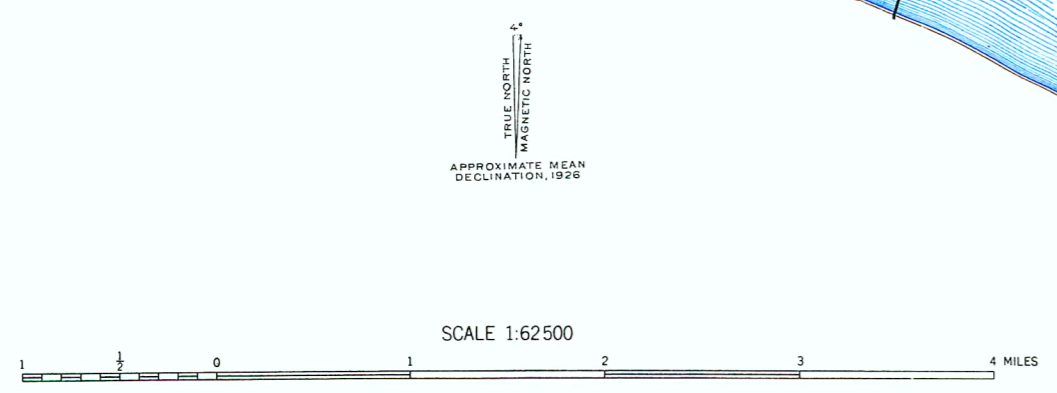


KEY

- | | | | | | |
|------------|---------------|------------|-----------------------------------|--|--------------|
| GENOZOIC | QUATERNARY | Recent | Qal | Floodplain alluvium | |
| | | | PLEISTOCENE | Qw1 | Low terrace |
| | | | | Qw2 | High terrace |
| TERTIARY | PLIOCENE | | Unconformity | | |
| | | Tl | "Lafayette" Gravel | | |
| MESOZOIC | CRETACEOUS | | Unconformity | | |
| | | Km | McNairy and Tuscaloosa Formations | | |
| PALEOZOIC | MISSISSIPPIAN | CHESTERIAN | | Unconformity | |
| | | | Mts | Tar Springs Sandstone | |
| | | | Mgd | Glen Dean Limestone | |
| | | | Mh | Hardinsburg Sandstone | |
| | | | Mg | Golconda Group
(mostly Frailey's Formation but includes
Beech Creek Limestone at base and
Honey Limestone at top) | |
| | | | Mc | Cypress Sandstone | |
| | | | Mr | Ridenhower Formation | |
| | | | Mb | Bethel Sandstone | |
| | | | | Intervening beds not exposed | |
| | | | Mbg | Ste. Genevieve Limestone | |
| VALMEYERAN | | | | | |



Topographic base surveyed by the U. S. Geological Survey in cooperation with the Illinois State Geological Survey in 1926 and 1940.

Geologically surveyed in 1962 by Charles A. Ross

SURFICIAL GEOLOGY OF THE ILLINOIS PART OF THE
PADUCAH AND SMITHLAND QUADRANGLES

- Fault, dashed where inferred
- Strike and dip of bedding
- Sand or gravel pit
- Prospect pit
- Anticline
- Syncline