

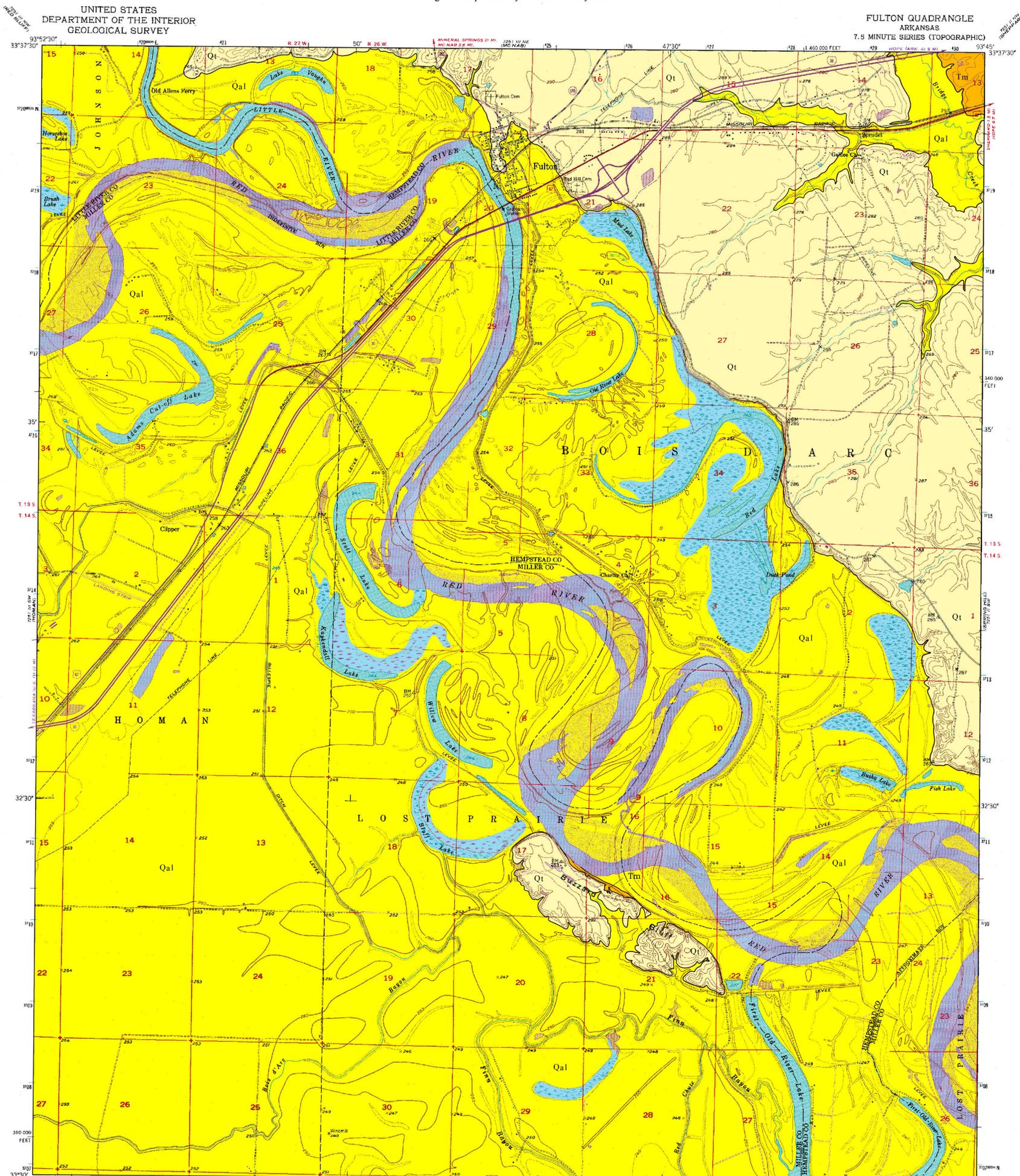
GEOLOGICAL MAP OF THE FULTON QUADRANGLE, HEMPSTEAD, LITTLE RIVER, AND MILLER COUNTIES, ARKANSAS

Geology by William D. Hanson and Benjamin F. Clardy
Edited by William D. Hanson
2004

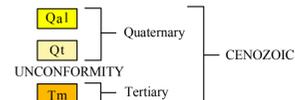
Arkansas Geological Commission, Mac Woodward, State Geologist
Digital compilation by Walter K. Mayfield

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FULTON QUADRANGLE
ARKANSAS
7.5 MINUTE SERIES (TOPOGRAPHIC)



Correlation of Map Units



Descriptions of Map Units

- Qal** **Alluvium (Quaternary)** - Variably sized gravel overlain by unconsolidated sand, silt, and clay comprises the unit. This unit occurs in the floodplains of streams and rivers. The sediments form a rich loam and are excellent for agriculture. Gravels, primarily novaculite, originated in the Ouachita Mountain region and from local Cretaceous formations. Thicknesses vary from 0 to 60 feet. Areas of alluvium are presently receiving sediment deposition.
- Qt** **Terrace Deposit (Quaternary)** - Terrace deposits generally grade from basal gravel to silt and clay at the top. Gravels, primarily novaculite, originated in the Ouachita Mountain region and from local Cretaceous formations. Thicknesses are generally less than 50 feet. Terraces are topographic features which are former floodplains of nearby streams and/or rivers. The sediments form a rich loamy soil. The basal gravel is sometimes utilized for water-well production and gravel-mining operations.
- Tm** **Midway Group (Tertiary)** - Midway sequence exposed at the surface in Arkansas represents marginal marine deposits.

Symbol

— Contact

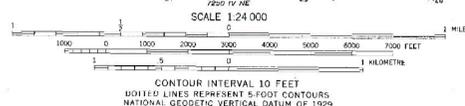
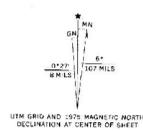
References

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Dane, C.H., 1929, Upper Cretaceous Formations of Southwestern Arkansas: Arkansas Geological Survey Bulletin 1, 215p.

McFarland, J. D., 1998, Stratigraphic Summary of Arkansas: Arkansas Geological Commission Information Circular 36, 39p.

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Control by USGS, US&GS, and USCE
Culture and drainage in part compiled from aerial photographs taken 1949. Topography by plane-table surveys 1951.
Polyconic projection, 1927 North American datum
10,000 foot grid based on Arkansas coordinate system, south zone
1000-metre Universal Transverse Mercator grid ticks, zone 15, shown in blue
Revisions shown in purple compiled from aerial photographs taken 1970 and 1975. This information not field checked



FULTON, ARK.
N3330-W9345/7.5

1951
PHOTOREVISED 1970 AND 1975
AMS 7251 III SK. SPAINES V884

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A HOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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