DIGITAL GEOLOGIC QUADRANGLE MAP
FULTON, ARKANSAS
DGM - AR - 00313

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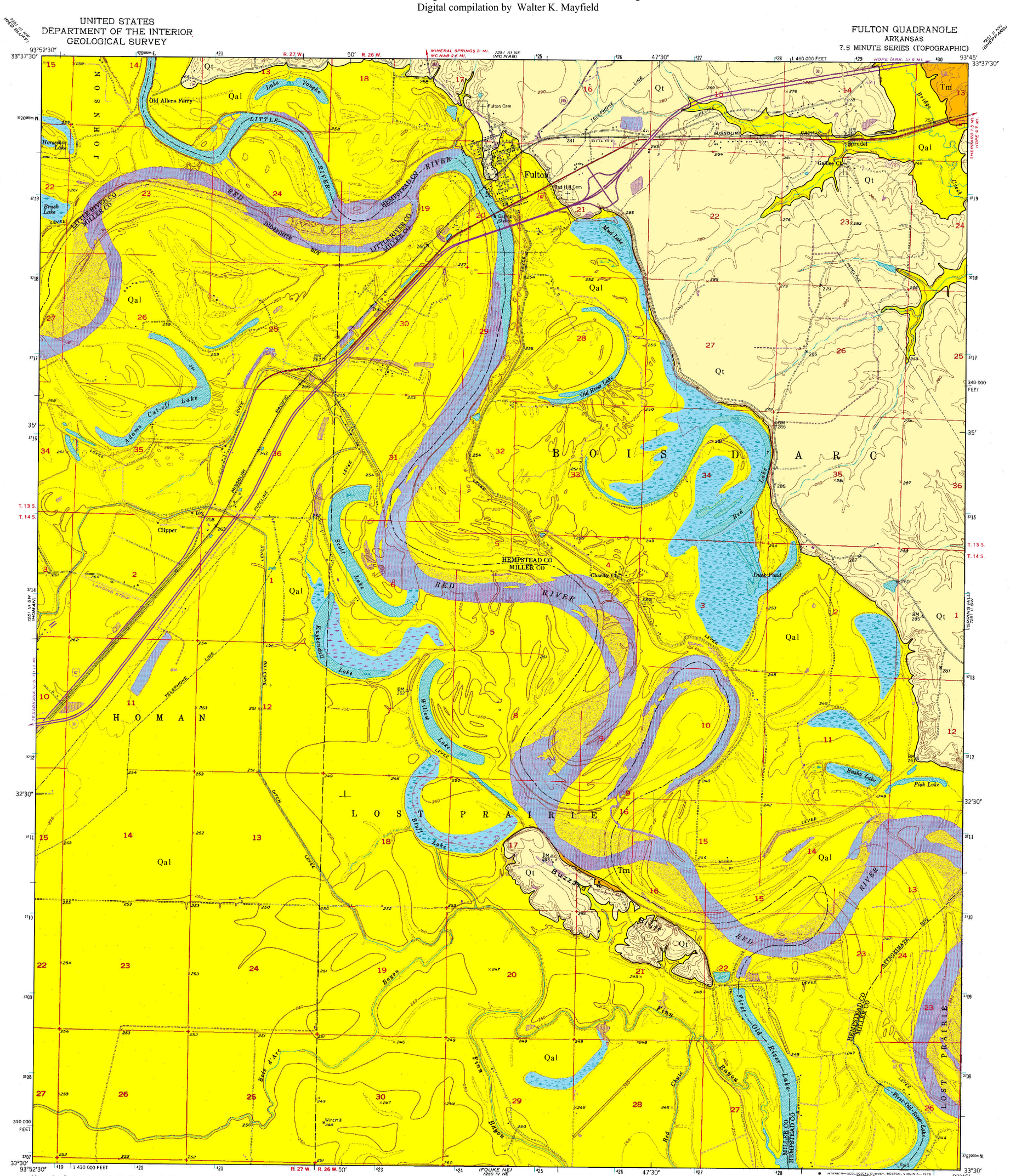
Arkansas Geological Commission, Mac Woodward, State Geologist
Digital compilation by Walter K. Mayfield



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Correlation of Map Units

Qal	Quaternary	CENOZOIC
Qt		
UNCONFORMITY		
Tm	Tertiary	

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. Thickness varies 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

Bush, W. V., and Clardy, B. F., 1971, Geologic Map of the Ashdown East Quadrangle, Little River and Hempstead Counties, Arkansas: Arkansas Geological Commission Open-File Report, scale 1:24,000.

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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