

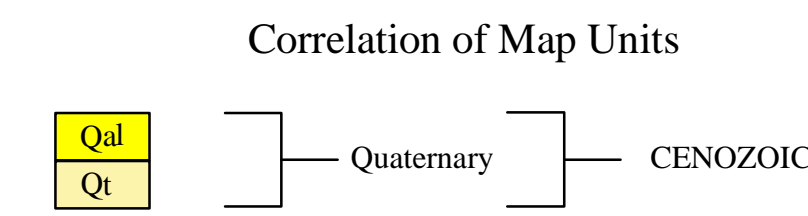
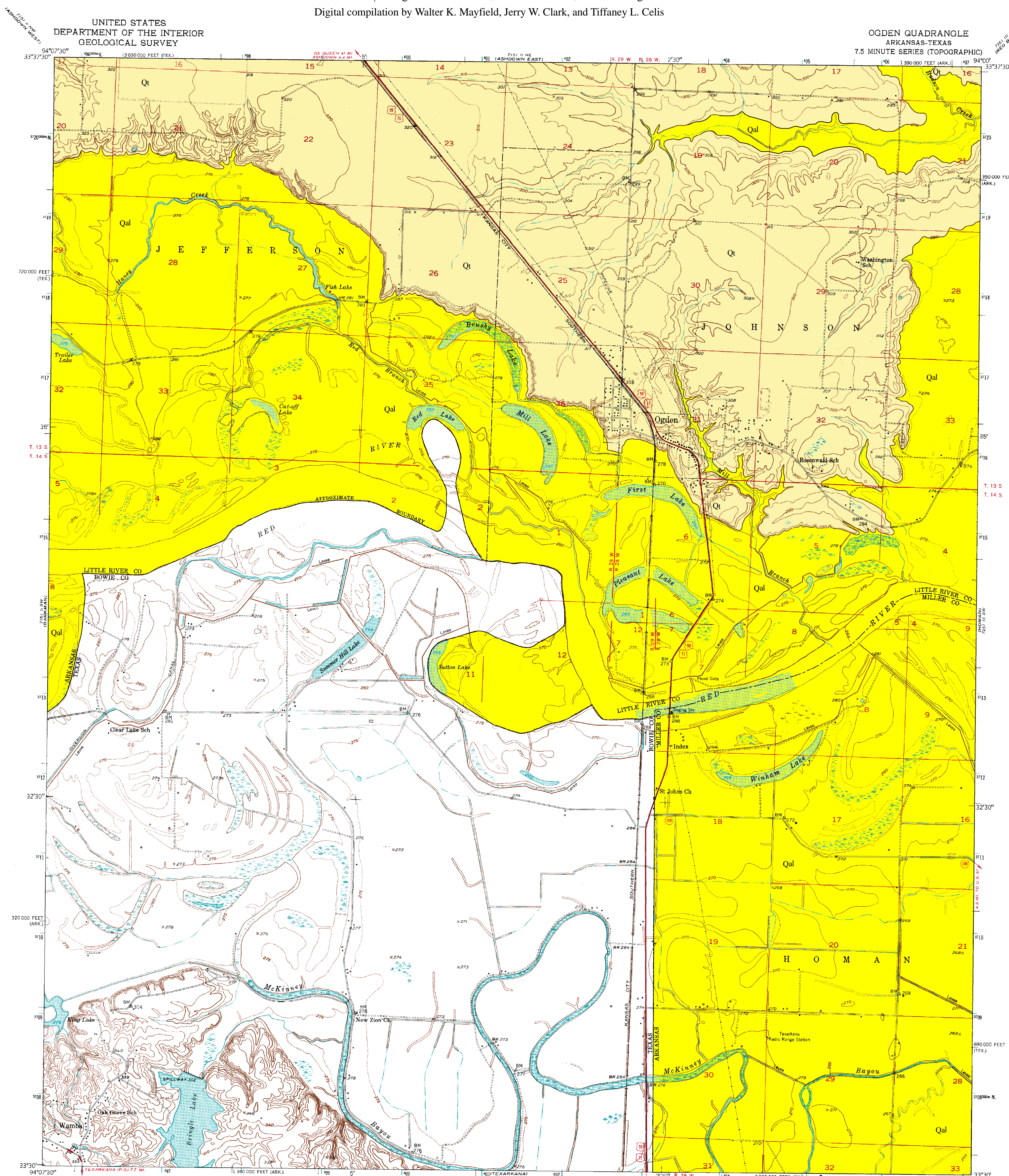
GEOLOGIC MAP OF THE OGDEN QUADRANGLE, LITTLE RIVER AND MILLER COUNTIES, ARKANSAS

DIGITAL GEOLOGIC QUADRANGLE MAP
OGDEN QUADRANGLE, ARKANSAS
DGM-AR-TX-0066

Geology by William D. Hanson and Benjamin F. Clardy
2003
Arkansas Geological Commission, Mac Woodward, State Geologist
Digital compilation by Walter K. Mayfield, Jerry W. Clark, and Tiffany L. Celis

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OGDEN QUADRANGLE
ARKANSAS-TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)



Description 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 30 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.



References

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

McFarland, J. D., 2004, Stratigraphic Summary of Arkansas: Arkansas Geological Commission Information Circular 36, 39p.

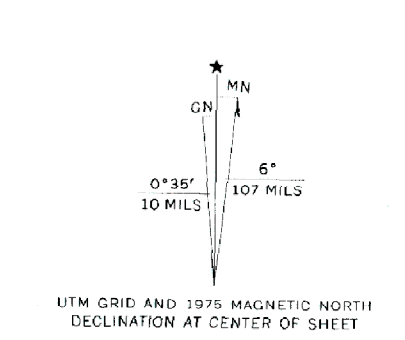
Dane, C. H., 1929, Upper Cretaceous formation of southwestern Arkansas: Arkansas Geological Survey Bulletin 1, 215p.

Disclaimer

Although this map was compiled from digital data that was successfully processed on a computer system using ESRI ArcGIS 9.0 software at the Arkansas Geological Commission (AGC), no warranty, expressed or implied, is made by AGC regarding the unity of the data on any other system, nor shall the act of distribution constitute any such warranty. AGC does not guarantee this map or digital data to be free of errors or liability for interpretations from this map or digital data, or decisions based thereon.

The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the Arkansas Geological Commission.

Mapped, edited, and published by the Geological Survey
Control by USGS, USCE, and USCGS
Culture and drainage in part compiled from aerial photographs taken 1948
Topography by plane-table methods 1949-1950
Polyconic projection, 1927 North American datum
10,000-foot grids based on Arkansas coordinate system, south zone, and Texas coordinate system, north central zone
1:500,000 metre Universal Transverse Mercator grid ticks, zone 15, shown in blue



SCALE 1:24,000

CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

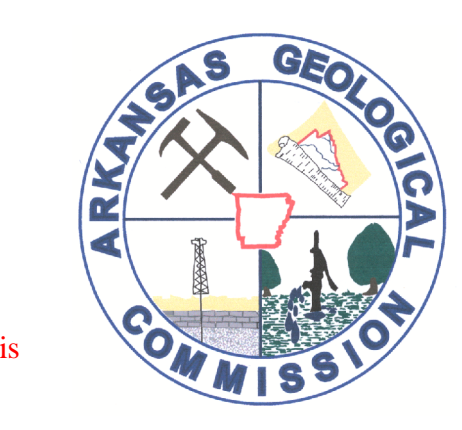
ROAD CLASSIFICATION

Heavy-duty: ————
Medium-duty: ————
U. S. Route: ————
State Route: ————
Light duty:
Unimproved dirt:

OGDEN, ARK.-TEX.
N 3350-W 9400/7.5
1990
AMS 7151 II SE-SERIES V684

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092
AND ARKANSAS GEOLOGICAL COMMISSION, LITTLE ROCK, ARKANSAS 72204
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Funded by the Arkansas Geological Commission in cooperation
with the United States Geological Survey, STATEMAP
Project No. 1434-94-A-1223



Revision Date: July 2006
Digital Revision by: Tiffany L. Celis