

# GEOLOGIC MAP OF THE ASHDOWN EAST QUADRANGLE, LITTLE RIVER COUNTY, ARKANSAS

DIGITAL GEOLOGIC QUADRANGLE MAP  
ASHDOWN EAST QUADRANGLE, ARKANSAS  
DGM-AR-00033

Geology by William D. Hanson and Benjamin F. Clardy

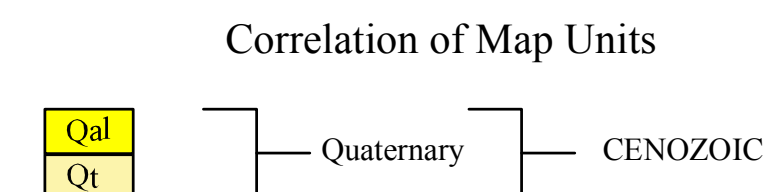
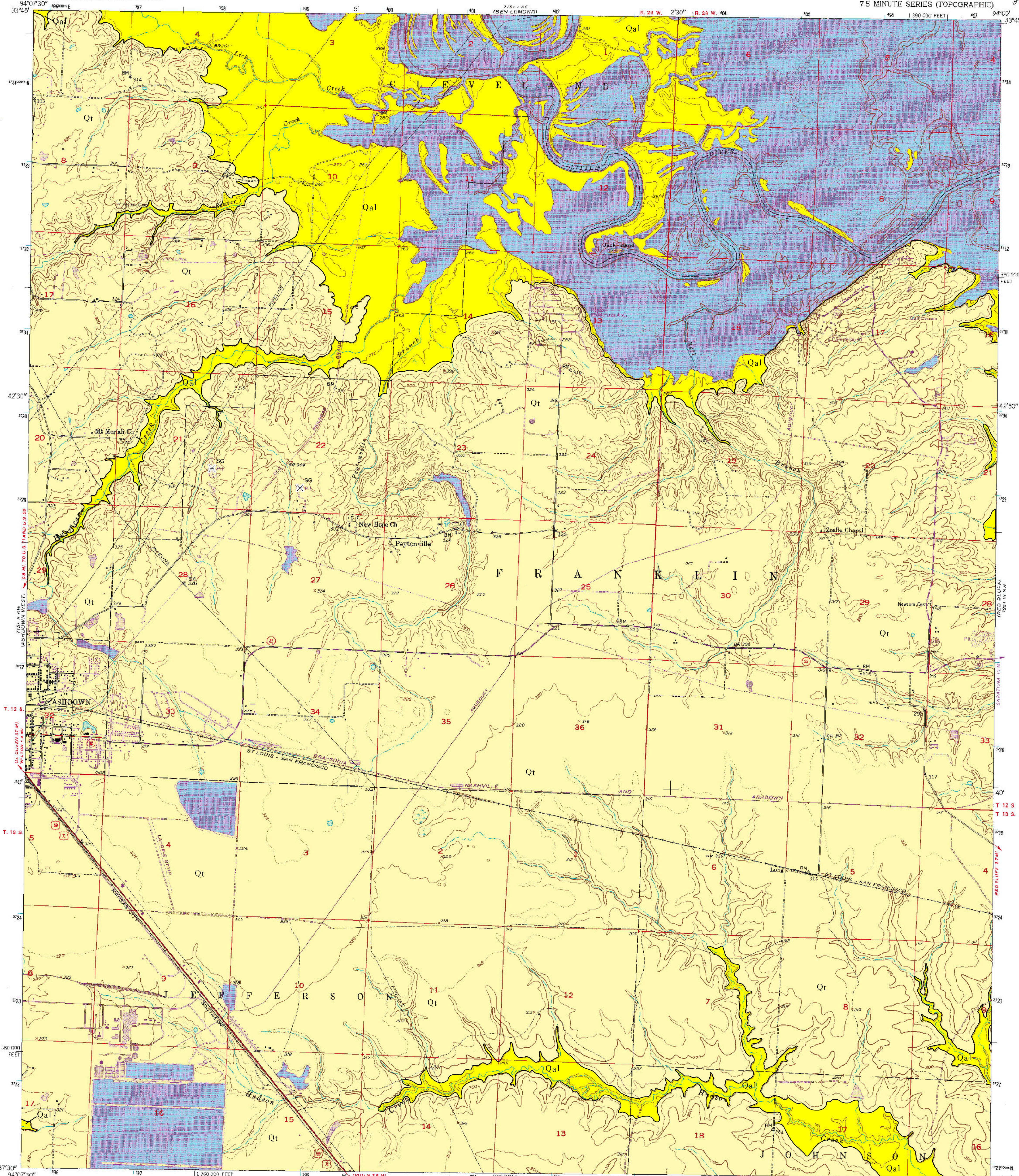
2003

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

ASHDOWN EAST QUADRANGLE  
ARKANSAS-LITTLE RIVER CO.  
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.

### Symbols

- Contact
- Abandoned sand and/or gravel pit
- Sand & Gravel

### References

- Bush, W. V., and Clardy, B. F., 1971, Geologic Map of the Ashdown East Quadrangle, Little River County, 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.
- Howard, J.M., 2006, Arkansas Mineral Commodity Database, in-house data, Arkansas Geological Commission.

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Mapped, edited, and published by the Geological Survey

Control by USGS, USCGS, and USCE

Culture and drainage in part compiled from aerial photographs taken 1949

Topography by plane-table methods 1957

Polygonic projection, 1927 North American datum

1:0000 foot grid based on Arkansas coordinate system

Scale: Zone

1:0000 meters Universal Transverse Mercator g.c. ticks

Zone 10, shown in blue

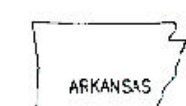
Revisions shown in circle compiled from aerial photographs taken 1975. This information not field checked

SCALE 1:24,000

CONTOUR INTERVAL 10 FEET

DOTTED LINES REPRESENT 5-FOOT CONTOURS

NATIONAL GEODETIC VERTICAL DATUM OF 1929



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

ASHDOWN EAST, ARK.

N3337.5-W9400/7.5

1950

PHOTOREVISED 1975

AMS 1151 II WE-SERIES 1064



Revision Date: November 2011  
Digital Revision by: Nathan H. Taylor