

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

DIGITAL GEOLOGIC QUADRANGLE MAP  
ASHDOWN WEST QUADRANGLE, ARKANSAS  
DGM-AR-00034

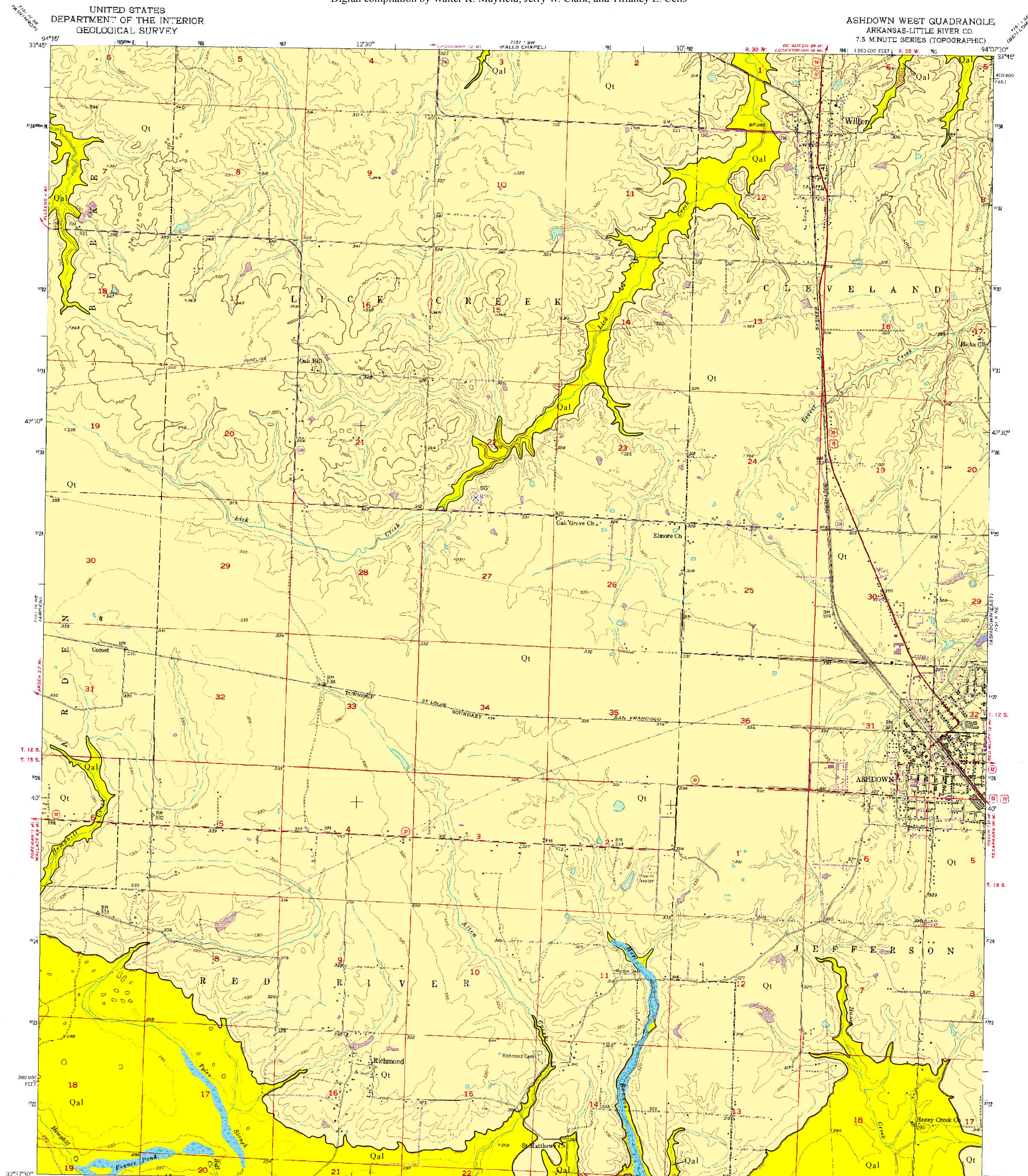
Geology by William D. Hanson and Benjamin F. Clardy  
2003

Arkansas Geological Commission, Mac Woodward, State Geologist

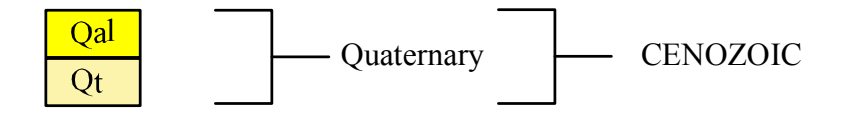
Digital compilation by Walter K. Mayfield, Jerry W. Clark, and Tiffany L. Celis

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ASHDOWN WEST QUADRANGLE,  
ARKANSAS-LITTLE RIVER CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)



### Correlation of Map Units



### 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 25 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
- Reclaimed sand and/or gravel pit
- Sand & Gravel

### References

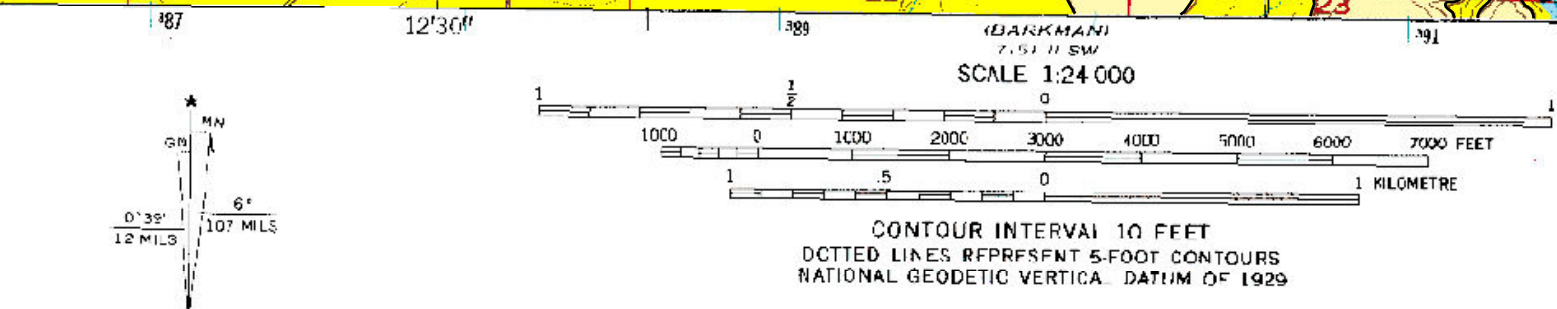
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- McFarland, J. D., 2004, Stratigraphic Summary of Arkansas: Arkansas Geological Commission Information Circular 36, 39p.
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### Disclaimer

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Mapped, edited, and published by the Geological Survey  
Control by JSGS, USC&GS, and USCE  
Culture and drainage in part compiled from  
aerial photographs taken 1954  
Topography by plane-table methods 1950  
Poleconic projection, 1927 North American datum  
10,000-foot grid based on Arkansas coordinate system,  
south zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 19, shown in blue  
Revisions shown in purple compiled from aerial photographs  
taken 1975. 1:15 information not field checked



ROAD CLASSIFICATION  
heavy-duty **STATE ROAD** light-duty **STATE ROAD**  
medium-duty **STATE ROAD** unimproved dirt **STATE ROAD**  
 U.S. Route State Route

ASHDOWN WEST, ARK.  
R. 337.5—W. 9407.5/7.5  
1950  
PHOTO-REVISED 1975  
AVE 7151 N.W.—SERIES 5685

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DFW/FR, CON ORADO 80226, OR RESTON, VIRGINIA 22092  
AND ARKANSAS GEOLOGICAL COMMISSION, LITTLE ROCK, ARKANSAS 72204  
A FINER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Quadrangle location map of Arkansas showing the location of the Ashdown West Quadrangle in Little River County.

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Digital Revision by: Nathan H. Taylor