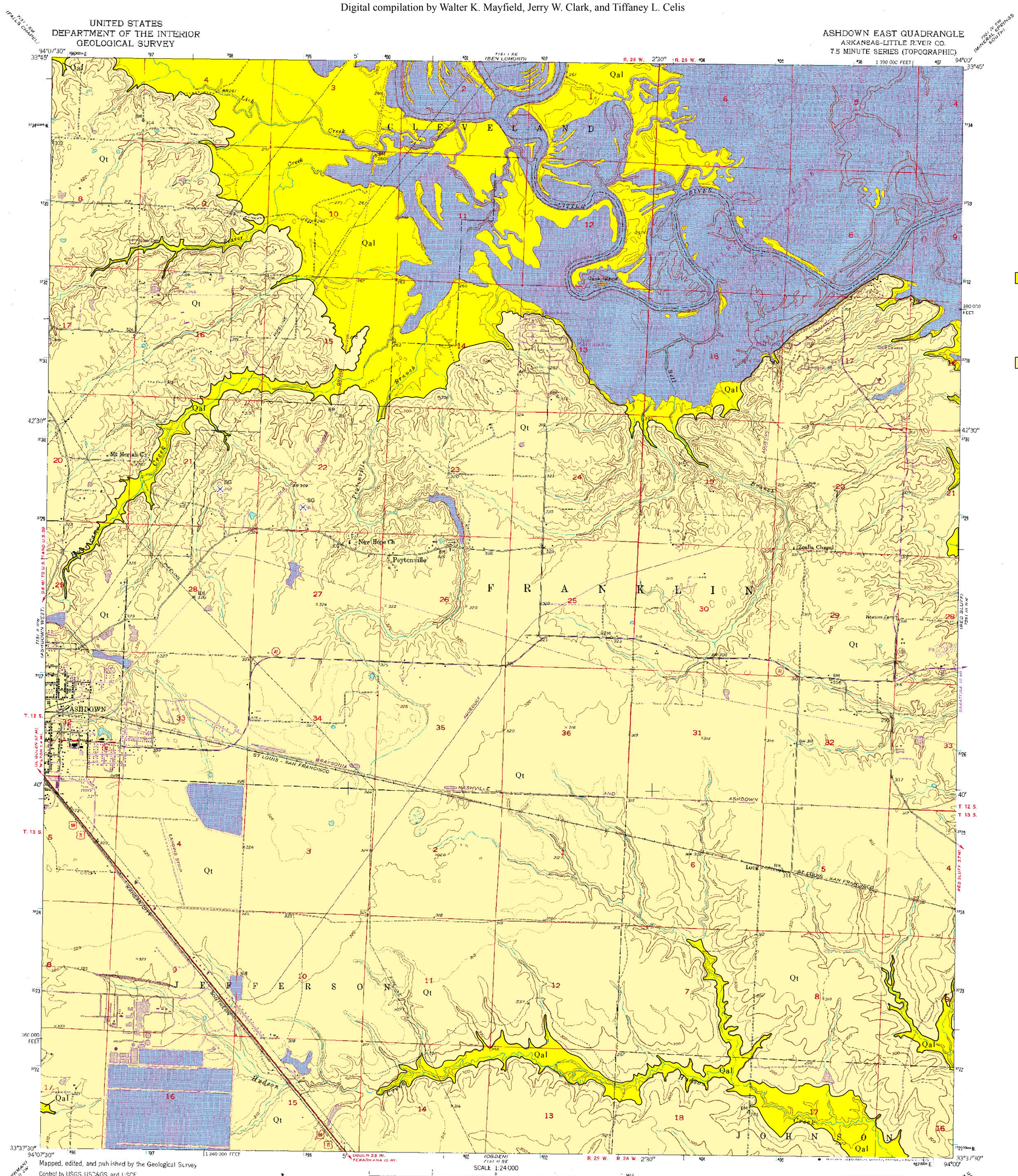
GEOLOGIC MAP OF THE ASHDOWN EAST QUADRANGLE, LITTLE RIVER COUNTY, ARKANSAS

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 Tiffaney L. Celis



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

Correlation of Map Units

Qal, Qt	Quaternary	CENOZOIC

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
- SG 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.

Disclaimer

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