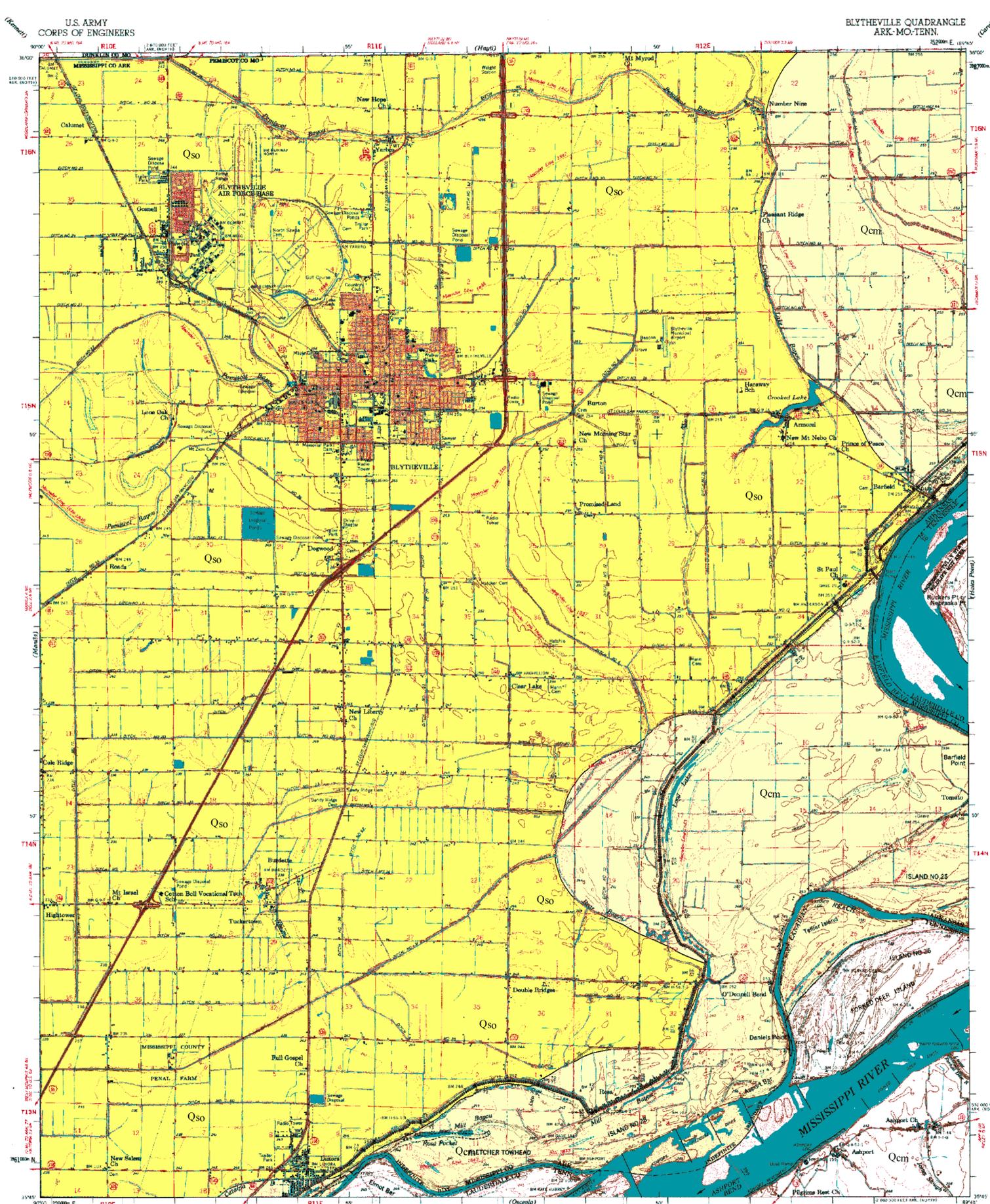


GEOLOGIC WORKSHEET OF THE ARKANSAS PORTION OF THE BLYTHEVILLE 15-MINUTE QUADRANGLE MISSISSIPPI COUNTY, ARKANSAS



Geology by Boyd R. Haley
 1969
 Modified by Scott M. Ausbrooks and William L. Prior
 2008
 Digital compilation by Jerry W. Clark
 Arkansas Geological Survey, Bekki White, State Geologist



About the Map

The *Geologic Worksheet of the Arkansas Portion of the Blytheville Quadrangle* is a 1:62,500 scale digital geologic worksheet. The original geology was scanned, digitized and transferred from the Blytheville 1:62,500 scale geologic worksheet of Haley, B.R., 1969 and modified by Ausbrooks, S.M., and Prior, W.L., 2008. Copies of this map are available from the Arkansas Geological Survey, Little Rock, AR.

Description of Map Units

- Qcm** The Quaternary Age (Holocene) *Channel Meander Alluvium* are alluvial sediments derived from typically older alluvial deposits that have been more recently reworked by channel meanders and include flood plain deposits of significant streams. Sediments will typically include unconsolidated gravels, sands, silts, clays and varying mixtures of any and all of these. The division of this unit from other Holocene alluvial sediments is based primarily on geomorphic considerations (presence of meander scars, point bars, and abandon channels) than lithology or age. Fossils are rare and the thickness is variable.
- Qso** The Quaternary Age (Holocene) *Stream Overbank Alluvium* are alluvial sediments derived from a combination of deposits from small streams, the overbank deposits of present-day significant streams, or older meander and flood plain deposits from ancient significant streams. These sediments will typically include unconsolidated gravels, sands, silts, clays and varying mixtures of any and all of these. The individual deposits are often lenticular and discontinuous. The division of this unit from other Holocene alluvial sediments is based primarily on geomorphic considerations (presence of natural levees and absence of meander scars, point bars, and abandon channels) than lithology or age. Fossils are rare and the thickness is variable.

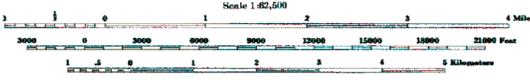
References

- Haley, B. R., 1969, *Geologic Worksheet of the Blytheville Quadrangle, Arkansas Geological Commission: Open-File Report, scale 1:62,500.*
- McFarland, J. D., 2004, *Stratigraphic Summary of Arkansas: Arkansas Geological Commission Information Circular 36, 39p.*

Disclaimer

Although this map was compiled from digital data that was successfully processed on a computer system using ArcGIS 9.x at the Arkansas Geological Survey (AGS), no warranty, expressed or implied, is made by AGS regarding the unity of the data on any other system, nor shall the act of distribution constitute any such warranty. AGS 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 Survey.
 The base used in the making of this map was created by Arkansas Geological Survey using USGS paper maps. The data is DRG62.5k (Digital Raster Graphics), 1:62,000 scale, USGS.

Mapped, edited and published under the direction of the President, Mississippi River Commission, by the U. S. Army Engineer District, Memphis, Corps of Engineers.
 Compiled in 1975 from U.S.G.S. 7.5 minute 1972 quadrangles, Blytheville, Ark.-Mo., Armorel, Ark.-Tenn.-Mo., Ross, Ark.-Tenn. and Luoria, Ark.-Tenn. Scale 1:24,000.
 Original mapping by photogrammetric methods from aerial photographs taken 1971. Field checked 1974.
 Control by National Geodetic Survey, U. S. Geological Survey and the U. S. Army Engineer District, Memphis, Corps of Engineers.
 Polyconic projection 1927 North American Datum.
 Descriptions, elevations and geologic positions of permanent survey marks may be obtained from the U. S. Army Engineer District, Memphis, Corps of Engineers, Memphis, Tennessee.
 Political boundaries are shown according to the best available information.
 Work under Flood Control Act shown as of 1975.
 This map complies with the national map accuracy standards.



Scale 1:62,500
 Contour interval 5 feet
 DATUM IS MEAN SEA LEVEL.
 ONE THOUSAND METER UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 18, IS INDICATED BY TICKS OUTSIDE THE HEATLINE.
 ARKANSAS STATE GRID ZONE NORTH IS INDICATED BY DOTTED TICKS OUTSIDE THE HEATLINE AT 10,000 FOOT INTERVALS.

APPROXIMATE MEAN DECLINATION 1975 FOR CENTER OF SHEET
 ANNUAL VARIATION TO CHANGE 6" WESTERLY

Underfoot on the Mississippi River above 1860 of Places are shown at 5 mile intervals.

LEGEND

Levee	-----	Levee Mile Post	LMP
Secondary Levee	-----	Levee Station	LS
Retard and Dikes	-----	Towhead	TH
Revetment	-----	Gaging Station	GS

ROAD DATA 1975
 In developed areas, only through roads are classified.
 Hard surface, heavy duty
 Hard surface, medium duty
 Loose surface, graded and drained.
 or narrow hard surface road
 Improved dirt road or street
 Unimproved dirt road; trail

Interstate Route U.S. Route State Route
 LMP, LS, TH, GS, LMP, LS, TH, GS, LMP, LS, TH, GS

BLYTHEVILLE, ARK.-MO.-TENN.
 EDITION OF 1976
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 Vicksburg, Mississippi 50 cents per copy.
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