

GEOLOGIC WORKSHEET OF THE ARKANSAS PORTION OF THE CHIC QUADRANGLE, MISSISSIPPI COUNTY, ARKANSAS



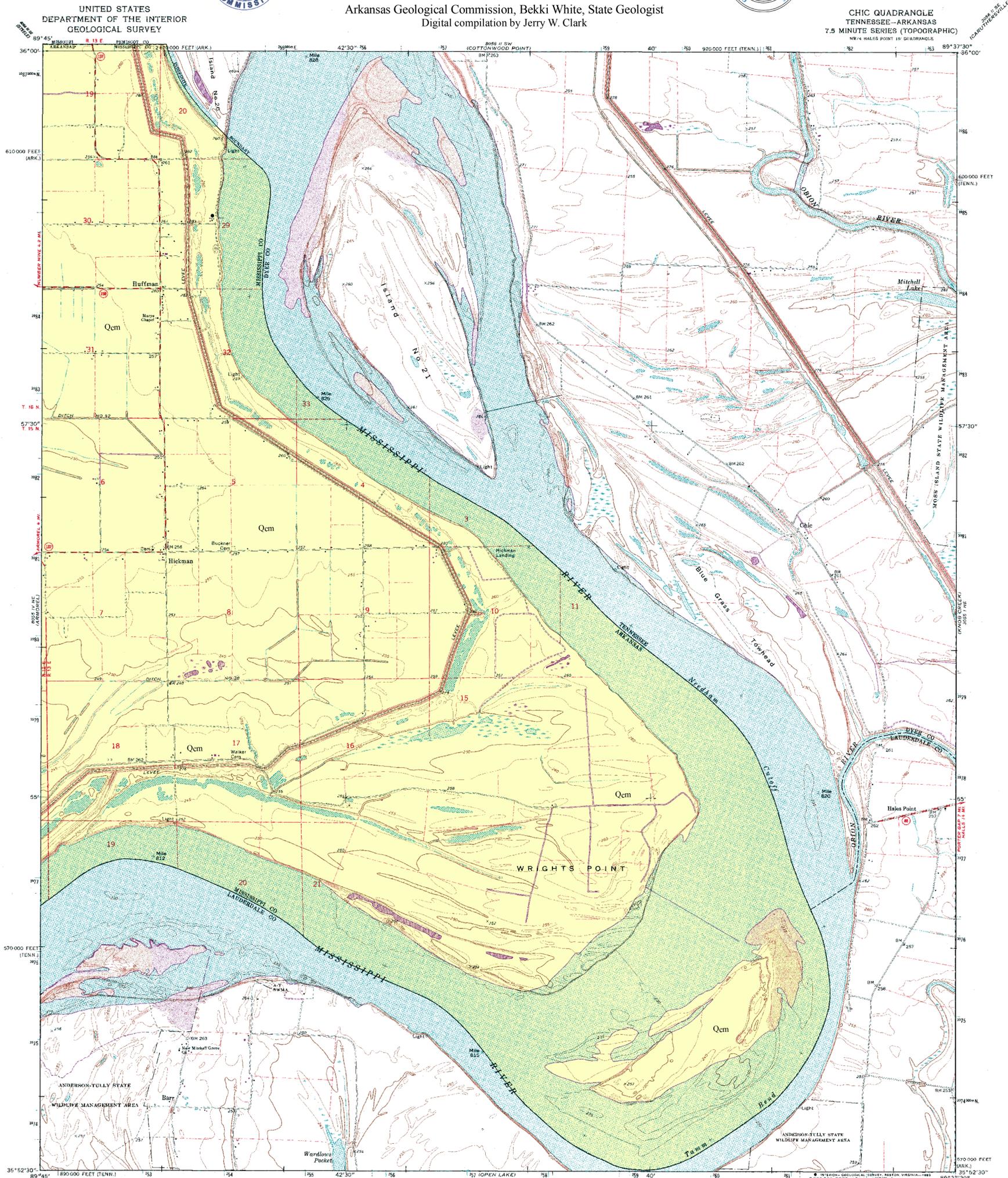
Geology by Boyd R. Haley
1969

Geology modified by Scott M. Ausbrooks and William L. Prior
2006

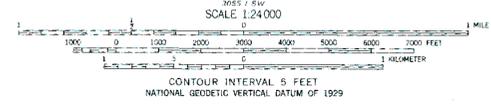
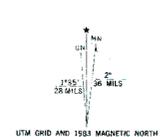
Arkansas Geological Commission, Bekki White, State Geologist
Digital compilation by Jerry W. Clark



CHIC QUADRANGLE
TENNESSEE-ARKANSAS
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW 1/4 HALES POINT 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs taken 1971. Field checked 1972
Projection: Tennessee coordinate system (Lambert conformal conic) 10,000-foot grid ticks based on Tennessee coordinate system, and Arkansas coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks, zone 16, shown in blue. 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 7 meters east as shown by dashed corner ticks
Fine red dashed lines indicate selected fences and field lines where generally visible on aerial photographs. This information is un-checked
There may be private inholdings within the boundaries of the National or State reservations shown on this map



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TENNESSEE DEPARTMENT OF CONSERVATION, DIVISION OF GEOLOGY, NASHVILLE, TENN. 37219
AND BY THE ARKANSAS GEOLOGICAL COMMISSION, LITTLE ROCK, ARKANSAS 72201
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple and woodland compiled from aerial photographs taken 1981 and other sources. This information not field checked. Map edited 1983



CHIC, TENN.-ARK.
NW 1/4 HALES POINT 15' QUADRANGLE
35089-HG-T024
1972
PHOTOREVISED 1983
DMA 3025 I NYN - SERIES 7841

Description of Map Units

Alluvium
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.

About the Map

The *Geologic Worksheet of the Arkansas Portion of the Chic Quadrangle* is a 1:24,000 scale digital geologic worksheet. The original geology was scanned, digitized and transferred from the Hales Point 1:62,500 scale geologic worksheet of Haley, B.R., 1969 and modified by Ausbrooks, S.M., and Prior, W.L., 2006. Copies of this map are available from the Arkansas Geological Commission, Little Rock, AR.

Disclaimer

Although this map was compiled from digital data that was successfully processed on a computer system using ArcGIS 9.0 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.
The base used in the making of this map was acquired online from GeoStor. The data is DRG24K (Digital Raster Graphics), 1:24,000, USGS.