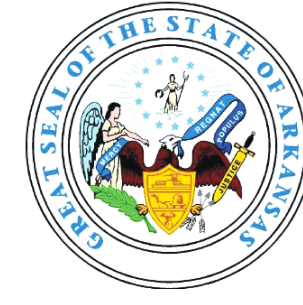
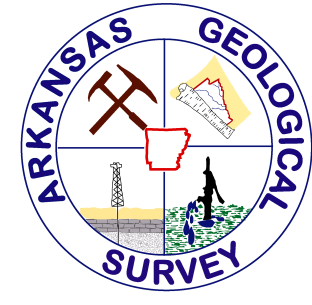


GEOLOGIC WORKSHEET OF THE ARKANSAS PORTION OF THE ARMOREL QUADRANGLE, MISSISSIPPI COUNTY, ARKANSAS

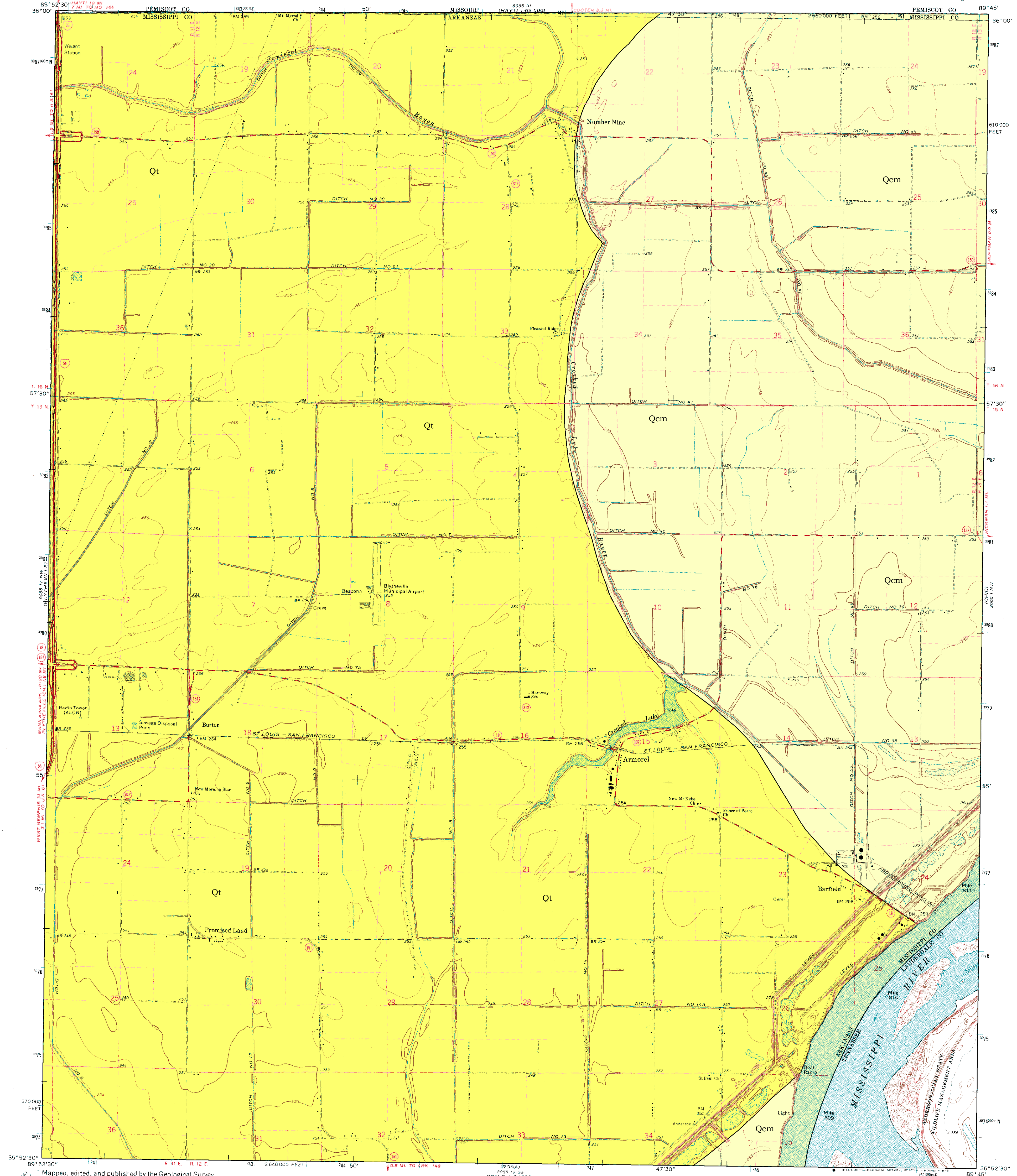


Geology by Boyd R. Haley
1969
Geology revised by Scott M. Ausbrooks and William L. Prior
2006

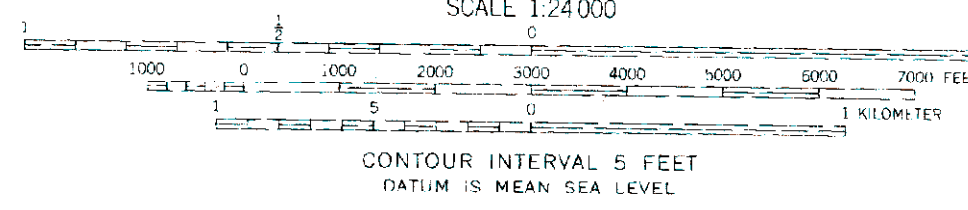
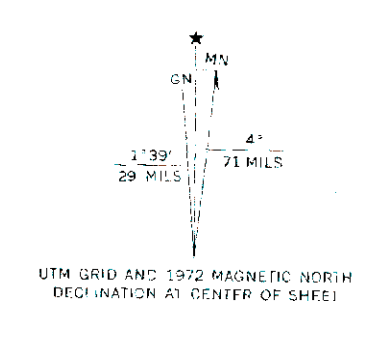
Arkansas Geological Commission, Bekki White, State Geologist
Digital compilation by Jerry W. Clark

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

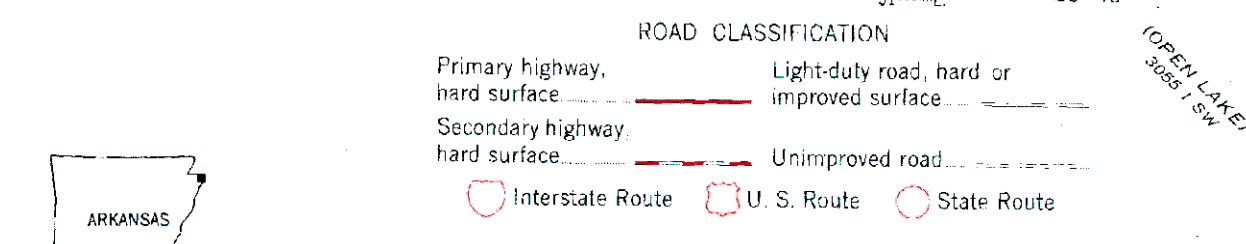
ARMOREL QUADRANGLE
ARKANSAS-TENNESSEE-MISSOURI
7.5 MINUTE SERIES (TOPOGRAPHIC)
NFA RUTHERVILLE 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods from aerial
photographs taken 1971. Field checked 1972.
Projection and 10,000-foot grid ticks: Arkansas coordinate
system, north zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid ticks,
zone 16, shown in blue. 1927 North American datum.
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked.



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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ARKANSAS GEOLOGICAL COMMISSION, LITTLE ROCK, ARKANSAS 72201
TENNESSEE DIVISION OF GEOLOGY, NASHVILLE, TENNESSEE 37219
AND BY THE MISSOURI GEOLOGICAL SURVEY, ROLLA, MISSOURI 65401
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ARMOREL, ARK.-TENN.-MO.
NFA RUTHERVILLE 15' QUADRANGLE
N35S2.5-W8945/7.5
1972
AMS 8085 IV NE--SERIES V884

Description of Map Units

Both units are equivalent in age
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.

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.

About the Map

The *Geologic Worksheet of the Arkansas Portion of the Armorel Quadrangle* is a 1:24,000 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., 2006. Copies of this map are available from the Arkansas Geological Commission, Little Rock, AR.

Disclaimer

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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.