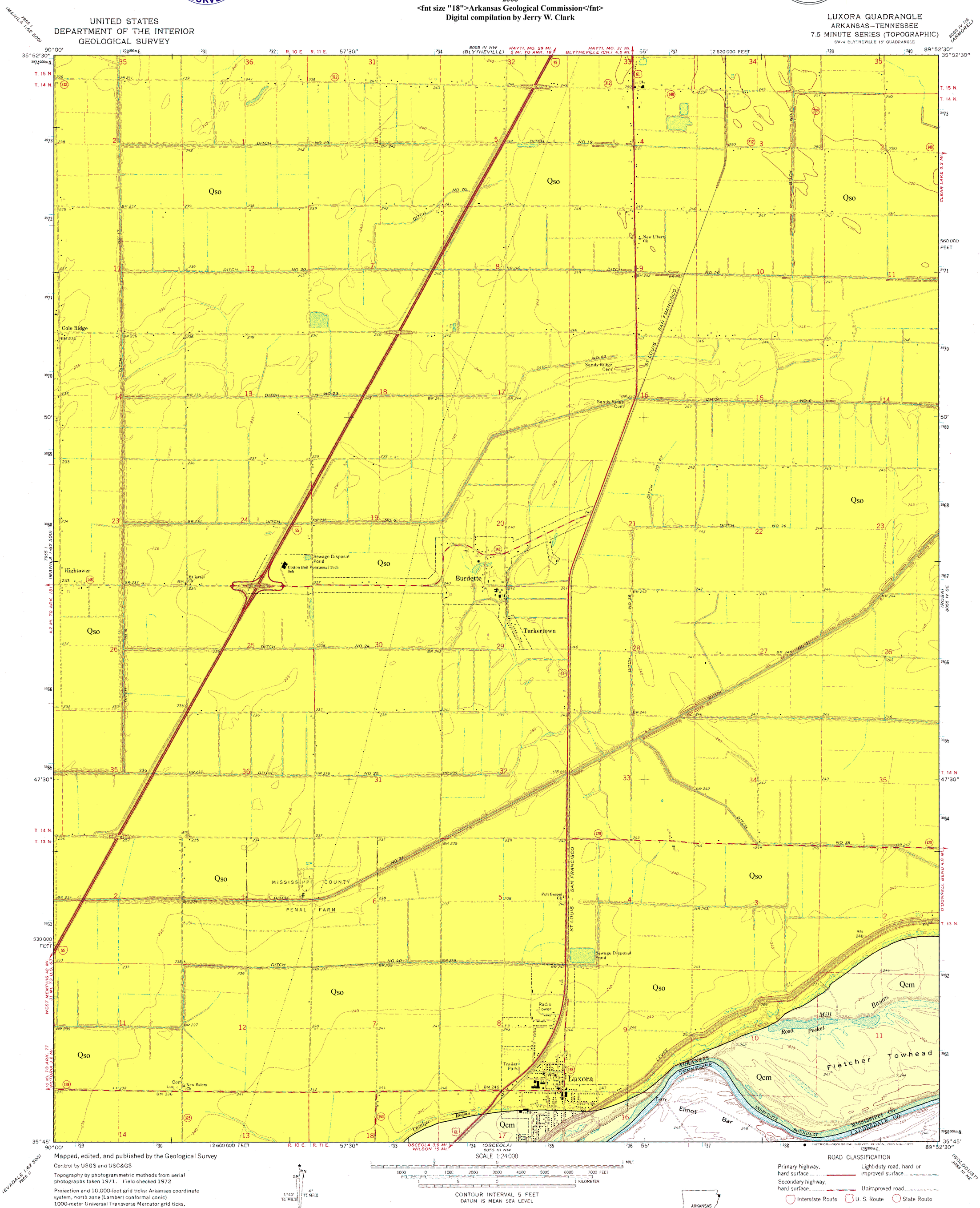
GEOLOGIC WORKSHEET OF THE ARKANSAS PORTION OF THE LUXORA QUADRANGLE, MISSISSIPPI COUNTY, ARKANSAS

Geology by Boyd R. Haley
1969
Geology modified by Scott M. Ausbrooks and William L. Prior
2006
<fnt size "18">Arkansas Geological Commission</fnt>
Digital compilation by Jerry W. Clark



Mapped, edited, and published by the Geological Survey

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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

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24000

CONTOUR INTERVAL 5 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
ARKANSAS GEOLOGICAL COMMISSION, LITTLE ROCK, ARKANSAS 72201
AND TENNESSEE DIVISION OF GEOLOGY, NASHVILLE, TENNESSEE 37219
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

ROAD CLASSIFICATION

Primary highway, hard surface
Light-duty road, hard or improved surface
Secondary highway, hard surface
Unimproved road
Interstate Route
U. S. Route
State Route

LUXORA, ARK.—TENN.
SW/4 BLYTHEVILLE 15' QUADRANGLE
N3545—W8952.5/7.5

1972

AMS 8055 IV SW—SERIES V884

Description of Map Units

Alluvium - Both units are equivalent in age

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.

About the Map

The *Geologic Worksheet of the Arkansas Portion of the Luxora 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

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.

Revision Date: 25 January 2008