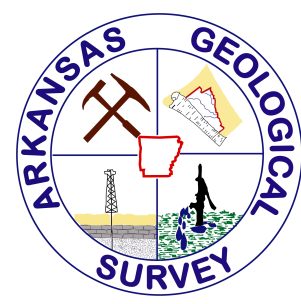


# GEOLOGIC WORKSHEET OF THE ARKANSAS PORTION OF THE NODENA QUADRANGLE, MISSISSIPPI COUNTY, ARKANSAS



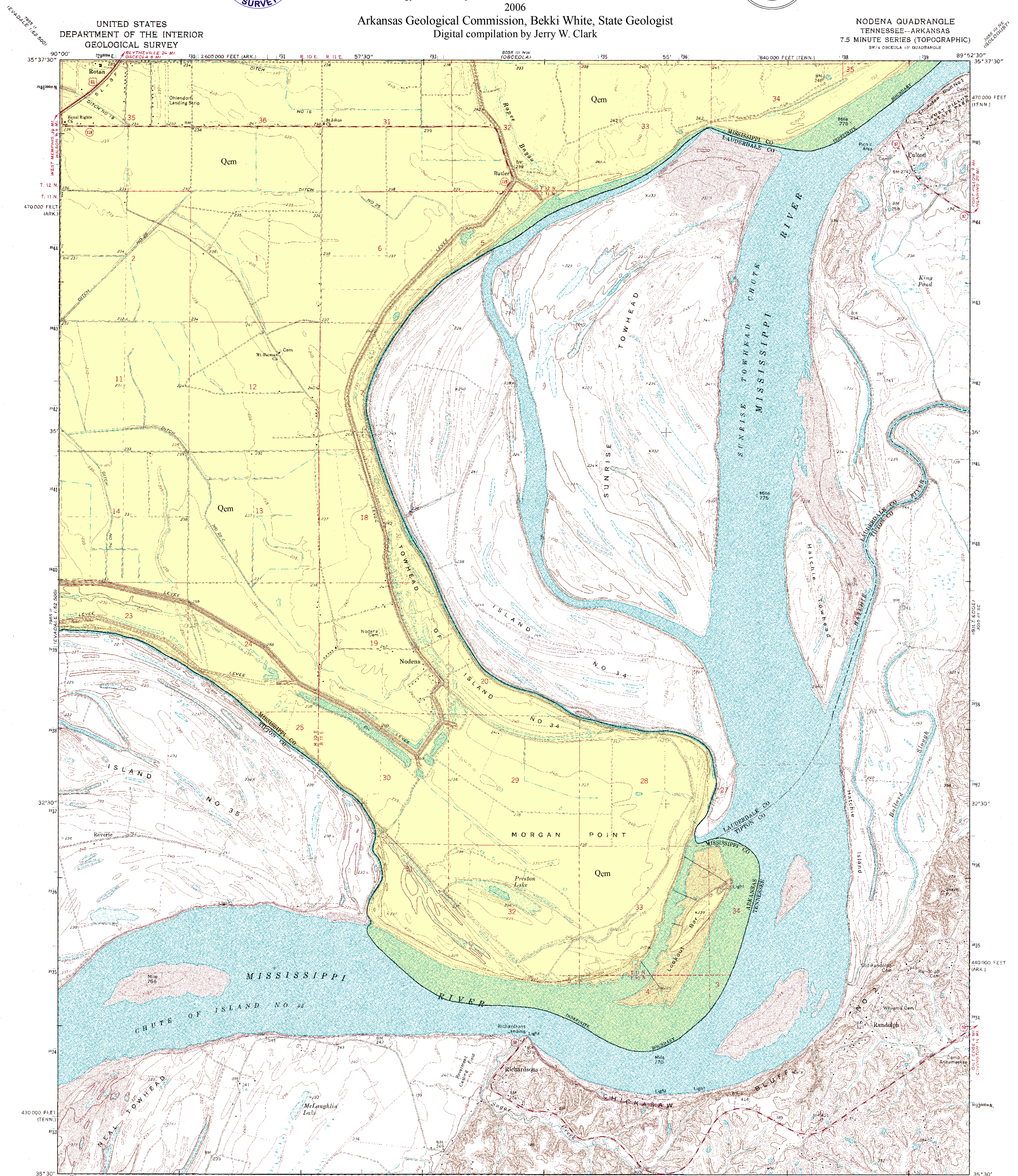
Geology by Boyd R. Haley  
1969

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

NODENA QUADRANGLE  
TENNESSEE - ARKANSAS  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SW 1/4 CORNELLIA 10 QUADRANGLE

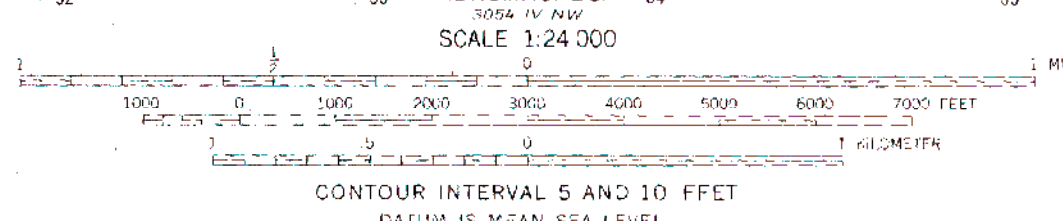


Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS

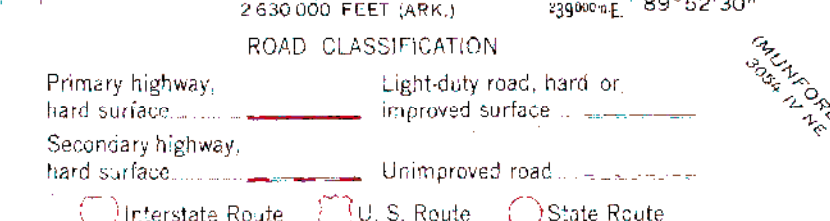
Topography by photogrammetric methods from aerial  
photographs taken 1971. Field checked 1972

Projection: 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

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



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

NODENA, TENN. - ARK.  
SW 1/4 CORNELLIA 10 QUADRANGLE  
N3530-W8952.5/7.5  
1972  
AMS 6055 III SW - SERIES V884

### 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 Nodena 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 GeoStar. The data is DRG24K (Digital Raster Graphics), 1:24,000, USGS.