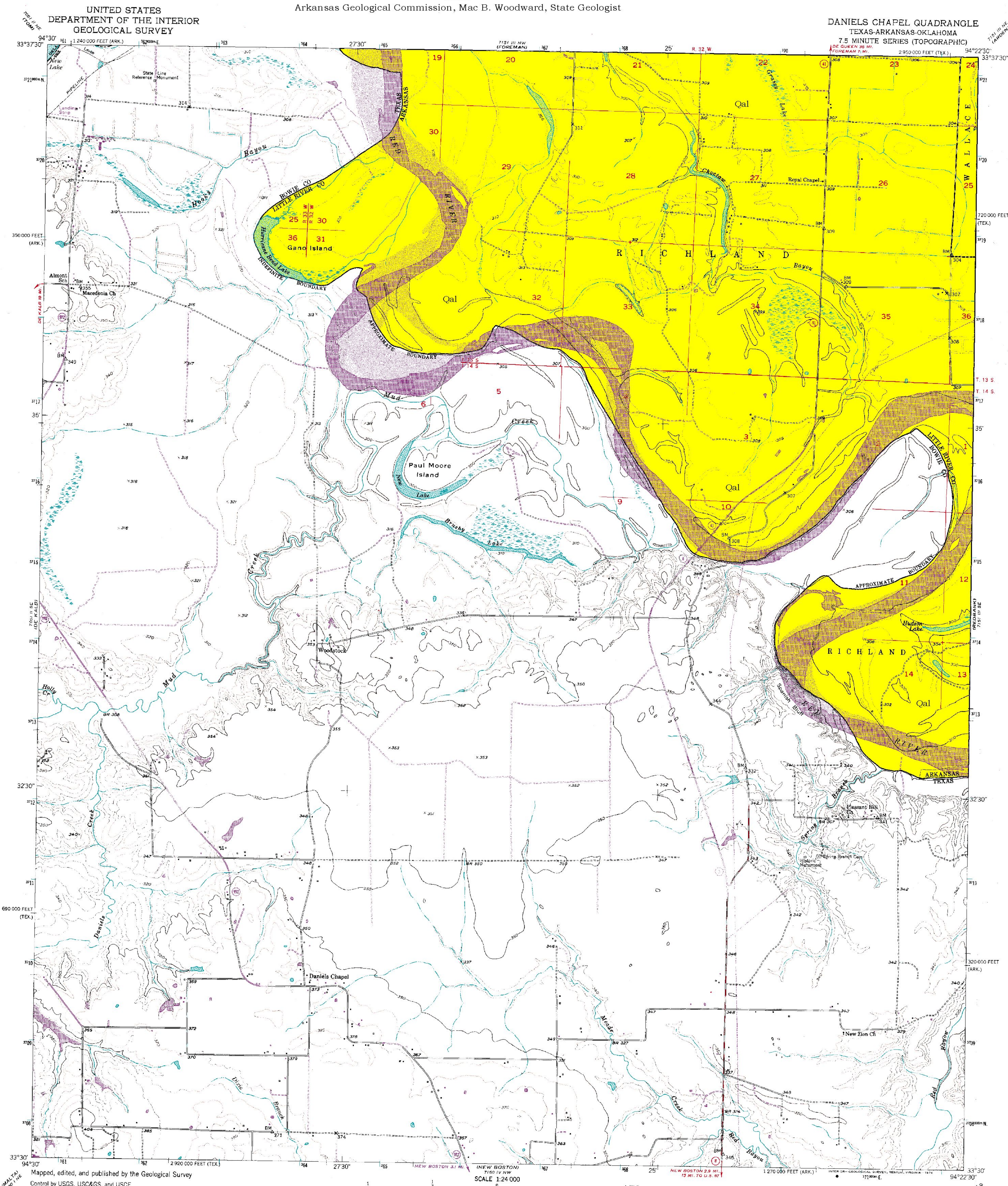


GEOLOGIC MAP OF THE DANIELS CHAPEL QUADRANGLE, LITTLE RIVER COUNTY, ARKANSAS

Geology by William D. Hanson and Benjamin F. Clardy
Digital compilation by Walter K. Mayfield and Jerry W. Clark
2003

Arkansas Geological Commission, Mac B. Woodward, State Geologist

DANIELS CHAPEL QUADRANGLE
TEXAS-ARKANSAS-OKLAHOMA
7.5 MINUTE SERIES (TOPOGRAPHIC)
DE QUEEN 36 MI.
DUMREAN 7.5 MI.



CORRELATION OF MAP UNITS

Qal Quaternary Cenozoic

DESCRIPTION OF MAP UNITS

Qal Alluvium (Quaternary) - Variably sized gravel overlain by unconsolidated sand, silt, and clay comprises the unit. This unit occurs in the floodplains of streams and rivers. The sediments form a rich loam and are excellent for agriculture. Gravels, primarily novaculite, originated in the Ouachita Mountain region and from local Cretaceous formations. Thickness varies from 0 to 25 feet. Areas of alluvium are presently receiving sediment deposition.

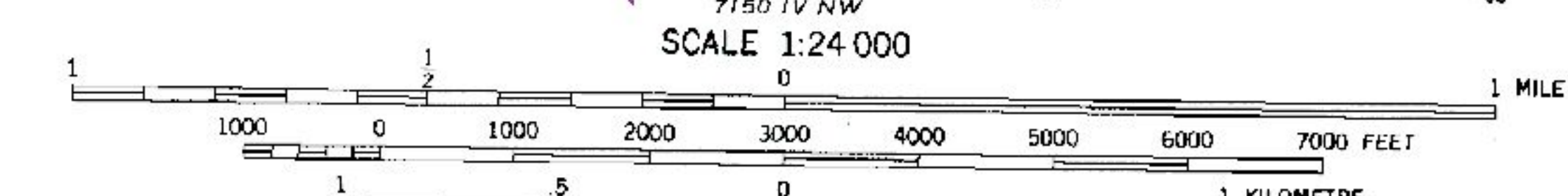
SYMBOLS

Contact

REFERENCES

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- McFarland, John David, 1998, Stratigraphic Summary of Arkansas: Arkansas Geological Commission Information Circular 36, 39 p.

Mapped, edited, and published by the Geological Survey
Control by USGS, USCGS, and USCE
Culture and drainage in part compiled from aerial photographs taken 1948
Topography by plane-table methods 1949-1950-1951
Polyconic projection. 1927 North American datum
10,000 foot grids based on Texas coordinate system, north central zone, and Arkansas coordinate system, south zone
1000-metre Universal Transverse Mercator grid ticks, zone 15, shown in blue
Revisions shown in purple compiled from aerial photographs taken 1970 and 1975. This information not field checked



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 72204,
AND OKLAHOMA GEOLOGICAL SURVEY, NORMAN, OKLAHOMA 73069
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



DANIELS CHAPEL, TEX.-ARK.-OKLA.
N3330-W9422.5/7.5

1951
PHOTOREPRODUCED 1970 AND 1975
AMS 7151 III SW-SERIES V862

