



MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY
OFFICE OF GEOLOGY
OPEN-FILE REPORT 104

GEOLOGIC MAP of the BYHALIA NW QUADRANGLE Marshall and DeSoto Counties, Mississippi, and Shelby and Fayette Counties, Tennessee



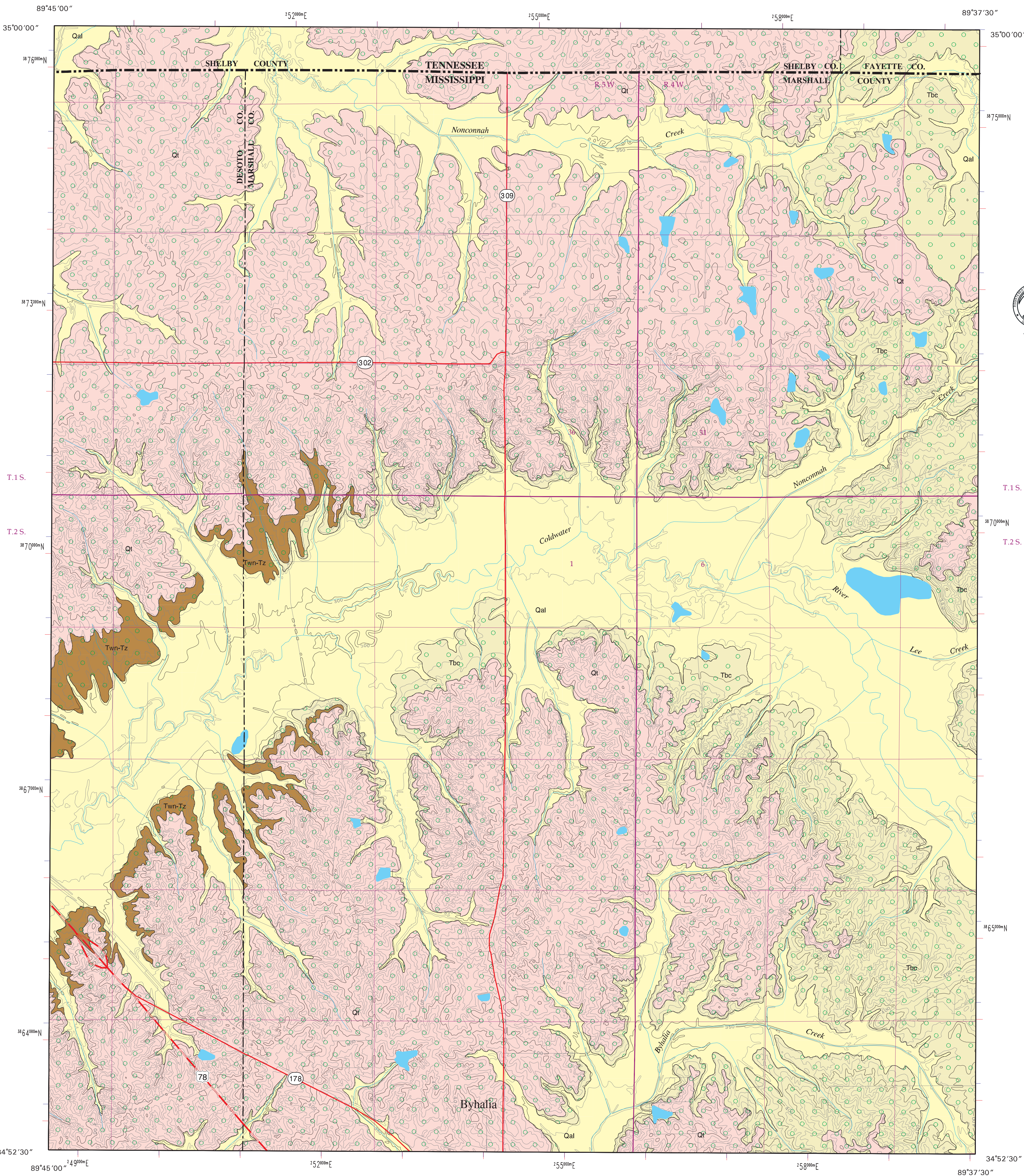
Geology by David E. Thompson, RPG, and D. Kenneth Davis

2003 DESCRIPTION OF MAP UNITS

QUATERNARY PLEISTOCENE	HOLOCENE	ALLUVIUM	
		Qal	Sand, flood plain sands, silts, and gravels.
			LOESS
TERTIARY EOCENE CLAIBORNE GROUP			Tbc
			PRE-LOESS TERRACE DEPOSITS
			Qt
TERTIARY EOCENE CLAIBORNE GROUP			Tzn-Tz
			ZILPHA and WINONA FORMATIONS
			Tbc
TERTIARY EOCENE CLAIBORNE GROUP			
			TALLAHATTA FORMATION
			Basic City Shale Member

References Cited
Brown, C. S., 1907. The lignite of Mississippi. Mississippi State Geological Survey, Bulletin 3, p. 18-19.
Fisk, H. N., et al., 1949. Geological investigation of gravel deposits in the lower Mississippi Valley and adjacent uplands. Mississippi River Commission, U.S. Army Corps of Engineers, Waterways Experiment Station, Tech. Memoir 5-275, 58 p.
Priddy, R. L., 1942. Tallahatchie County mineral resources. Mississippi State Geological Survey, Bulletin 50, p. 42-45.
Saucier, R. T., 1994. Geomorphology and Quaternary geologic history of the lower Mississippi Valley. U.S. Army Corps of Engineers, Waterways Experiment Station, v. 1, p. 169-170, 214-218.

Geology field checked in 2001 using the 1971 U.S. Geological Survey 7.5-minute topographic quadrangle, 1927 North American datum, contour interval 10 feet.
Mississippi Transverse Mercator projection, 1983 North American datum, GR580 spheroid, 1000-meter Universal Transverse Mercator grid ticks, zone 16; 1983 datum shown in red, 1927 datum shown in blue.
Sources: Road and water features, USGS Digital Line Graph data, 1:100,000 scale. Public Land Survey System and contours, Mississippi Automated Resource Information System (MARIS), 1:24,000 scale.
Geographic Information System by Daniel W. Morse.
This map was produced by the Mississippi Office of Geology in cooperation with the U.S. Geological Survey, National Geologic Mapping Program, under STATEMAP grant #00FIQA0053.



GEOLOGIC MAP
BYHALIA NW QUADRANGLE
Marshall and DeSoto Counties, Mississippi,
Shelby and Fayette Counties, Tennessee

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