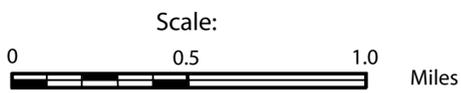


- EXPLANATION**
- TW-(L,M,N)
  - Madison County Water Department test well
  - Well, test well, or test hole (well data from Baker and Henderson, 2003)
  - Other well, test well, or test hole (most are from data after 2003)
  - Well, test well, or test hole with GPS location - GSA, 2007-2008
- Numbers adjacent to wells are elevations above mean sea level (MSL) of the top of the Chattanooga Shale
- Contour of elevation of top of Chattanooga Shale (feet above sea level; contour interval: 10 feet)
  - A-A' Line of geologic cross section (plate 2)
  - Alabama A&M University property line

Base map is from Fisk, Alabama and Tennessee, 7.5-minute topographic quadrangle, 1974 and Meridianville, Alabama, 7.5-minute topographic quadrangle, 1982. Data and structural interpretation are modified from Malmberg and Downing, 1957, and Baker and Henderson, 2003.



**STRUCTURE MAP -  
TOP OF THE CHATTANOOGA SHALE  
NORTH-CENTRAL AREA  
Madison County, Alabama**

by  
Stephen P. Jennings



Berry H. (Nick) Tew, Jr.  
State Geologist