

 GEOLOGIC MAP

 MADISON QUADRANGLE

 Madison, Rankin, and Hinds

 Counties, Mississippi

 Sector

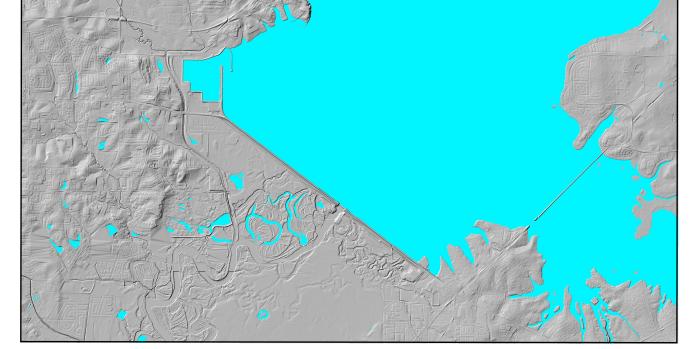
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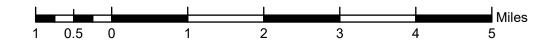
Geology field checked in 2019 using the 1980, U.S. Geological Survey 7.5-minute topographic quadrangle, 1983 North American datum, contour interval 10 feet. 1000-meter Universal Transverse Mercator grid ticks, zone 15; 1983 datum shown in red. January 2019, magnetic north declination in quadrangle center is 1°7' west of true north, changing by 0°5' west per year.

Sources: Public Land Survey System, 1:24,000 scale, from Mississippi Automated Resource Information System (MARIS); road features derived from the Mississippi Department of Transportation (MDOT) 2015 and 2018 road centerlines; water bodies, streams, and contours derived from Light Detection and Ranging (LIDAR), project areas: Hinds County by (Natural Resources Conservation Service (NRCS)\Mississippi Department of Environmental Quality (MDEQ)\United States Geological Survey (USGS)-3D Elevation Program (3DEP), area-Ne/Sw/MS, year 2017); Madison County by (MDEQ\ Federal Emergency Management Agency (FEMA), area-Madison-Yazoo, year 2012); and Rankin County by (MDEQ\FEMA, area-Rankin-Simpson, year 2013). Building Footprints derived from satellite and aerial imagery via Bing composite and artificial intelligence (AI) by Microsoft; and Declination, National Oceanic and Atmospheric Administration (NOAA). Surface mine locations from MDEQ – Office of Geology Mining and Reclamation Division and USGS 7.5 minute topographic quadrangle.

Geographic Information System by Daniel W. Morse. MDEQ does not warrant the accuracy or completeness of the source data. Geologic maps are only a guide to current understanding and do not eliminate the need for detailed investigations of specific sites for specific purposes.

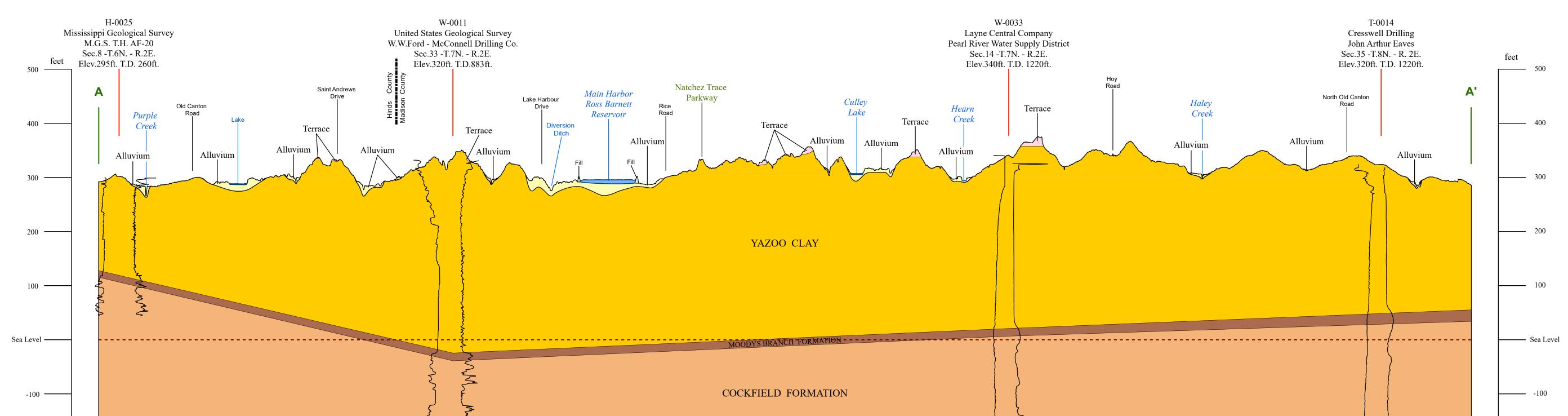
This map was produced by the Mississippi Office of Geology.





Composite Bare Earth: Madison & Yazoo; Rankin & Simpson; and the Hinds County MS LIDAR Hillshade of the Madison Quadrangle.

## Structural Cross-Section of the Madison 7.5-Minute Geologic Quadrangle





## Vertical Exaggeration X20

