

Description of Map Units

QUATERNARY SYSTEM

HOLOCENE

- Ha** Alluvium—Undifferentiated deposits of small upland streams; unconsolidated alluvial deposits of minor streams and creeks filling valleys incised into older deposits, with textures varying from gravely sand to sandy mud.
- Hb** Backswamp—fine-grained Holocene deposits of rivers, underlying the flood basins between meander belts.
- Hpm** Pearl River meander-belt deposits—point bar and associated overbank deposits underlying meander belts of the Pearl River.
- Hbm** Bogue Chitto meander-belt deposits—point bar and associated overbank deposits underlying meander belts of the Bogue Chitto.

PLEISTOCENE

DEWETVILLE ALLOGROUP

- Pdmh** Mitchell Hammock Alloformation—alloformation intermediate in age and topographic position between the Gum Bayou and Foster Creek alloformations of the Deweyville Allogroup along the Bogue Chitto and Pearl rivers. It is named for Mitchell Hammock in the Bogalusa quadrangle.

PRAIRIE ALLOGROUP

- Pph** Hammond alloformation—Deposits of middle to late Wisconsin coastal-plain streams in the Florida Parishes of southeastern Louisiana. In the area encompassing Waldheim quadrangle it consists of very fine to medium sand, in places clayey or with silty clay interbeds, and is grayish with yellowish, brownish, and/or reddish mottles.
- Ppbu** Bush alloformation—fluvial deposits of the late Pleistocene Bogue Chitto River. These fluvial sediments form a well defined alluvial apron that has been built over the surface of the Hammond alloformation at the mouth of the Bogue Chitto valley.

- Open Water, Inundated Area, Wetlands
- Streams
- Contact—includes inferred contacts.
- Topographic Contours

Produced and published by the Louisiana Geological Survey  
3079 Energy, Coast & Environment Building, Louisiana State University  
Baton Rouge, LA 70803 • 225/578-5320 • www.lsu.edu/lgs/

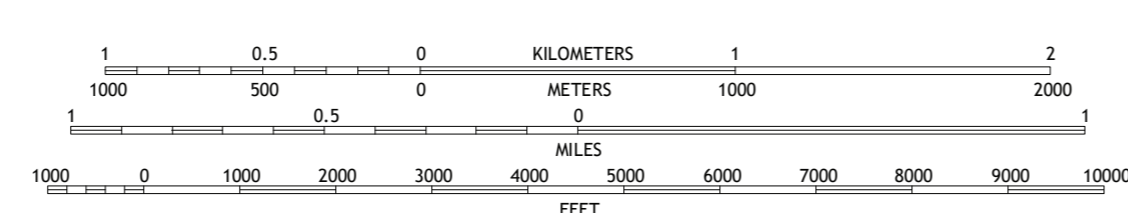
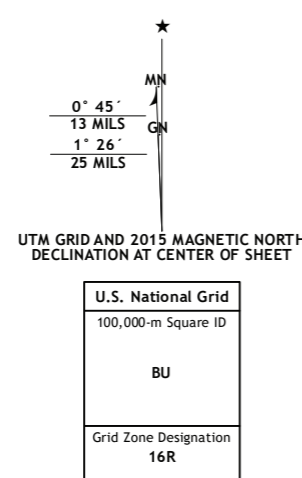
This geologic map was funded in part by the USGS National Cooperative Geologic Mapping Program under STATEMAP award number 01HQAG0056, 2000.

Copyright ©2002 and 2024 by the Louisiana Geological Survey

Geology: Richard P. McCulloh and Paul V. Heinrich

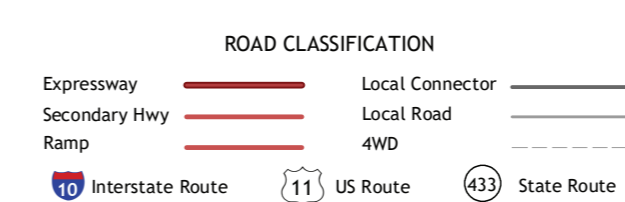
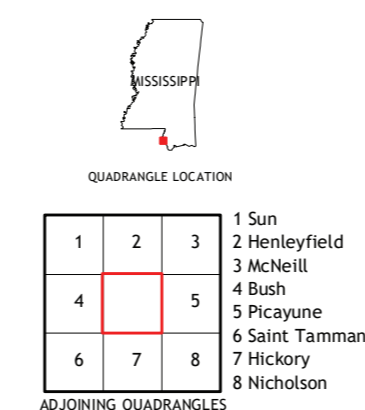
GIS Compilation: R. Hampton Peele and Anuradha Eragani

Cartography: Robert L. Paulsell



SCALE 1:24,000

Base map from U.S. Geological Survey 1:24,000 GeoPDF  
National Geospatial Program US Topo Product Standard, 2011.  
Universal Transverse Mercator Projection, Zone 16  
North American Datum 1983 (NAD 83)  
Contour Interval 5 Feet  
North American Vertical Datum 1988



Boundaries.....	United States Geological Survey, 2020
Contours.....	LoDOTD, 2007
Hydrography.....	National Elevation Dataset, 2008 - 2011
Names.....	National Hydrography Dataset, 2002 - 2017
Roads.....	GNIS, 1980 - 2017
Wetlands.....	U.S. Census Bureau, 2017
	FWS National Wetlands Inventory 2021

This research is supported by the U. S. Geological Survey, National Cooperative Geologic Mapping Program. The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U. S. Government or the state of Louisiana. This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.

This map has been carefully prepared from the best existing sources available at the time of preparation. However, the Louisiana Geological Survey and Louisiana State University do not assume responsibility or liability for any reliance thereon. This information is provided with the understanding that it is not guaranteed to be correct or complete, and conclusions drawn from such data are the sole responsibility of the user. These geologic quadrangles are intended for use at the scale of 1:24,000. A detailed on-the-ground survey and analysis of a specific site may differ from these maps.

Geologic Map of the Industrial 7.5 minute quadrangle  
St. Tammany Parish, Louisiana