

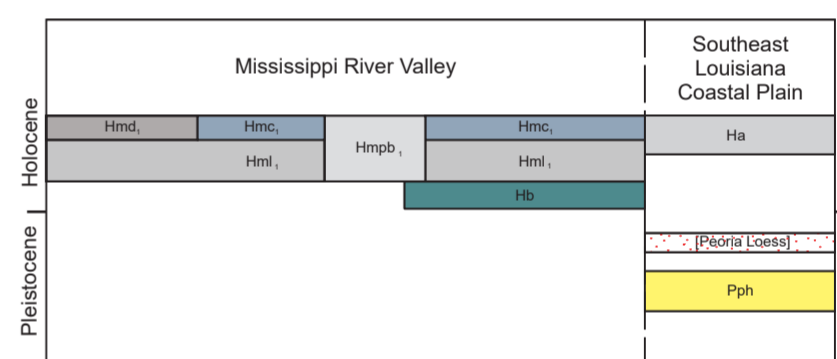
**Description of Map Units**

- QUATERNARY SYSTEM**
- HOLOCENE**
- Ha** Holocene undifferentiated 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 gravelly sand to sandy mud.
  - Hb** Backswamp deposits—fine-grained Holocene deposits of rivers, underlying the flood basins between meander belts.
  - Hmpb<sub>1</sub>** Mississippi River point bar deposit 1—point bar deposits of Mississippi River meander belt 1, buried by this layer of overbank sediments.
  - Hml<sub>1</sub>** Natural levee complex of Mississippi River meander belt 1—deposits of the natural levees flanking Mississippi River meander belt 1.
  - Hmc<sub>1</sub>** Crevasse complex of Mississippi River meander belt 1—crevasse channel and splay deposits of Mississippi River meander belt 1.
  - Hmd<sub>1</sub>** Distributary complex of Mississippi River meander belt 1—natural levee deposits of the distributary course of Mississippi River meander belt 1.
- PLEISTOCENE**
- Pph** LOESS—Eolian silt veneer of late Wisconsin age (Peoria Loess) mantling Pleistocene strata. Loess is 3–5 m thick in Plaquemine quadrangle (Miller, 1983) and consists of gray to brown clayey silt to silty clay, in places with rootlets, organic matter, calcareous and/or iron-oxide stains and/or nodules, light gray to dark brown mottles, and some very fine to fine sand.
- PRAIRIE ALLOGROUP**
- Pph** Hammond alloformation—Deposits of middle to late Wisconsin coastal-plain streams, blanketed by Peoria Loess, in the Florida Parishes of southeastern Louisiana. Includes floodplain deposits of the late Pleistocene Mississippi River, exposed in the eastern valley wall of the modern Mississippi River alluvial valley, originally defined as the Mt. Pleasant Bluff Alloformation by Austin et al. (1988). In the Plaquemine quadrangle it consists of grayish sandy clay to clayey very fine to fine sand.
- Open Water, Inundated Area, Wetland**
- Streams**
- Contact**—includes inferred contacts.
- Topographic Contours**

**References:**  
 Austin, W. J., A. T. Davison, B. J. Miller, W. J. Day, and B. A. Schumacher, 1988. Exposure of late Pleistocene meander-belt facies at Mt. Pleasant, Louisiana. Gulf Coast Association of Geological Societies Transactions, v. 38, p. 375–383.

Miller, B. J. (compiler), [1983]. Distribution and thickness of loess in Baton Rouge, Louisiana 1 x 2 degree quadrangle; Louisiana State University Department of Agronomy, Louisiana Agricultural Center, Louisiana Agricultural Experiment Station, Baton Rouge, unpublished map, Louisiana Geological Survey, scale 1:250,000.

**Correlation of Map Units**



Produced and published by the Louisiana Geological Survey  
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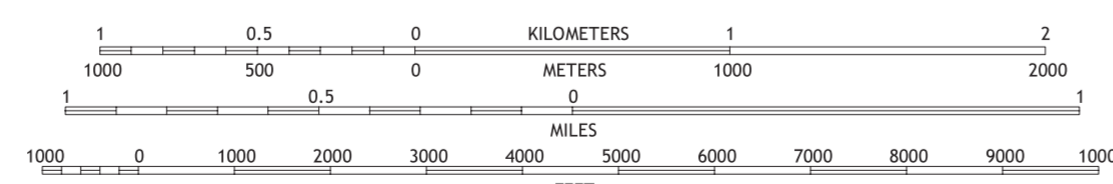
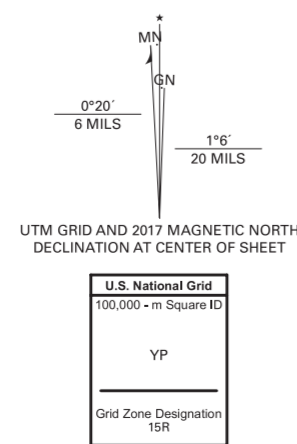
This geologic map was funded in part by the USGS National Cooperative Geologic Mapping Program under STATEMAP award number G15AC00223, 2019.

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Geology: Paul V. Heinrich and Richard P. McCulloh

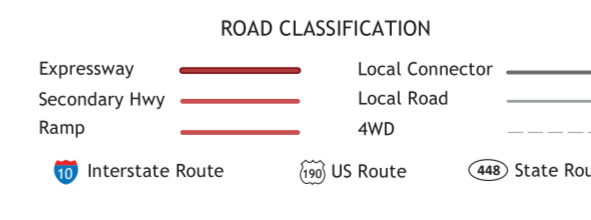
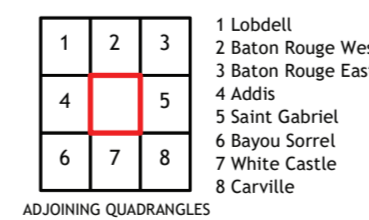
GIS Compilation: Robert L. Paulsell, Richard P. McCulloh, and Paul V. Heinrich

Cartography: Robert L. Paulsell and Lisa Pond



SCALE 1:24,000

Base map from U.S. Geological Survey 1:24,000 GeoPDF  
 National Geospatial Program US Topo Product Standard, 2011.  
 National Transverse Mercator Projection, Zone 15  
 North American Datum 1983 (NAD 83)  
 Contour Interval 5 Feet  
 National Geodetic Vertical Datum 1988



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

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**Geologic Map of the Plaquemine 7.5 minute quadrangle  
 E. Baton Rouge, W. Baton Rouge, and Iberville Parishes, Louisiana**