

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.
- Hsm** **Small river meander-belt deposits**—point bar deposits underlying the meander belts of small rivers.
- Hb** **Backswamp deposits**—fine-grained Holocene deposits of rivers, underlying the flood basins between meander belts.

PLEISTOCENE

- DEWEVILLE ALLOGROUP**
- Pd** **Deweyville Allogroup, undifferentiated**—gravelly sand, sandy gravel, and sand underlying fluvial terraces that lie topographically below the surface of the Hammond alloformation and are younger than it. These fluvial terraces that form the surface of the Deweyville Allogroup along the Pearl River typically exhibit abandoned channels with widths and radii larger than those of the modern Pearl River.
- PRAIRIE ALLOGROUP**
- Pph** **Hammond alloformation**—deposits of middle to late Wisconsin Coastal Plain streams in the Florida Parishes of southeastern Louisiana. Its surface consists of relict alluvial fans and the flood plain into which they merge.
- Pplr** **Relict Pleistocene Ridges**—prominent sinuous, typically coast-perpendicular, ridges found the surface of the Hammond alloformation within Mississippi portion of the Nicholson 1:24,000 quadrangle.

Open Water, Inundated Area, Wetland

Contact—includes inferred contacts.

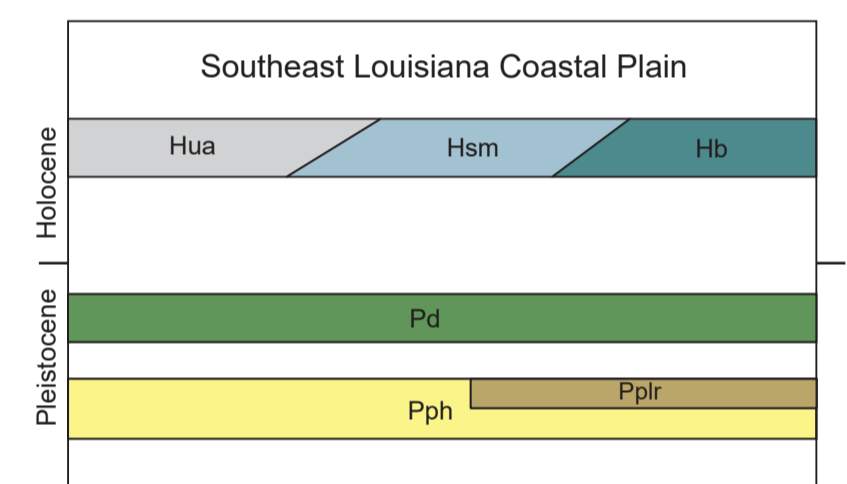
Streams

Topographic Contours

References:

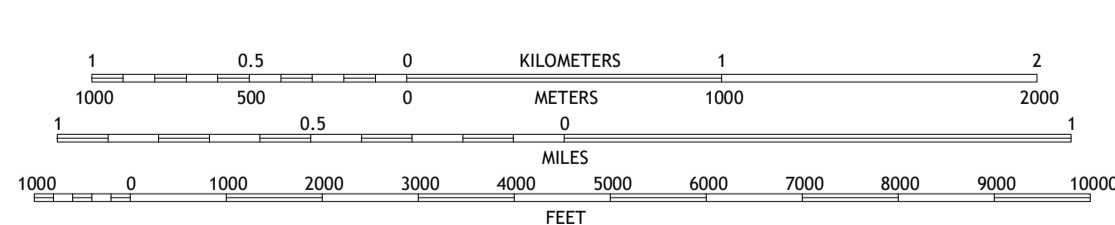
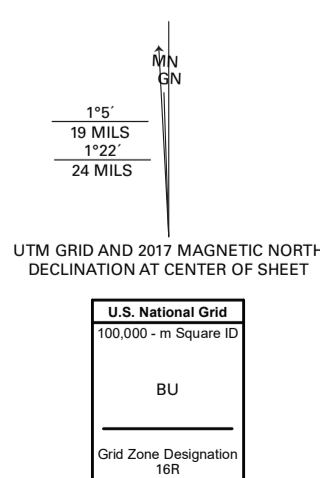
- Cullinan, T. A., 1969. Contributions to the geology of Washington and St. Tammany parishes, Louisiana: U.S. Army Corps of Engineers, New Orleans district, 287 p. plus plates.
- Heinrich, P. V., 2006. Pleistocene and Holocene fluvial systems of the lower Pearl River, Mississippi and Louisiana, USA. Gulf Coast Association of Geological Societies Transactions, v. 56, p. 267-278.
- Heinrich, P. V., R. P. McCulloh, R. P., and J. Snaed (compilers), 2004. Galfport 30 x 60 minute geologic quadrangle: Baton Rouge, Louisiana Geological Survey, scale 1:100,000.
- Pellegrin, F. J., 1978. Late Pleistocene-Holocene depositional systems, southern Hancock County, Mississippi. Unpublished M.S. thesis, Department of Geology, University of Mississippi, University, 88 p. plus plates.

Correlation of Map Units



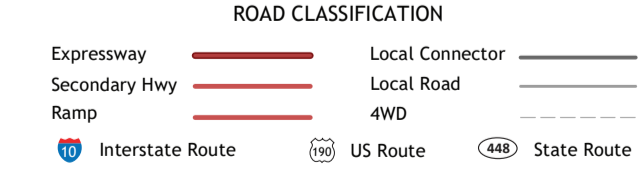
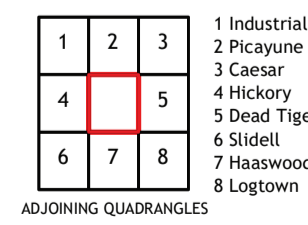
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SCALE 1:24,000

Base map from U.S. Geological Survey 1:24,000
 Universal Transverse Mercator Projection, Zone 16
 North American Datum 1983
 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

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.

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**Geology of the Nicholson 7.5 minute quadrangle
 St. Tammany Parish, LA, Hancock and Pearl River Counties, MS**