

Description of Map Units

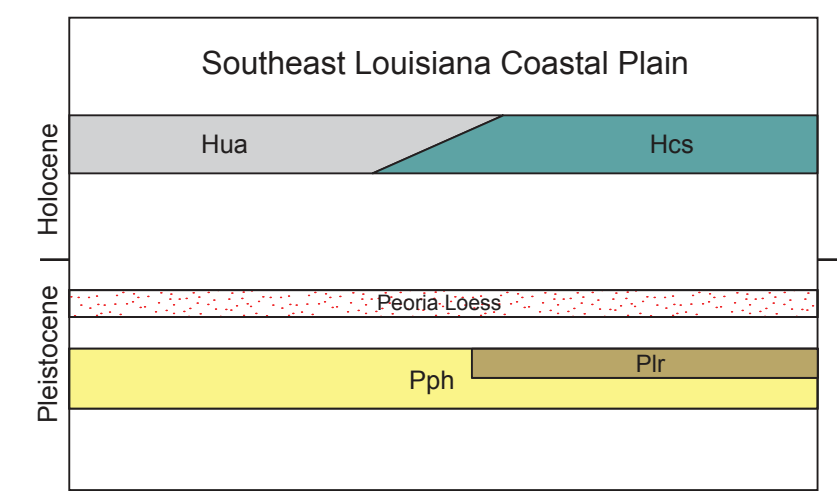
- QUATERNARY SYSTEM**
- HOLOCENE**
- Hua** **Holocene undifferentiated alluvium**—Undifferentiated deposits of small upland streams; unconsolidated alluvial deposits of minor streams and creeks filling valleys incised into older deposits, with textures varying from gravelly sand to sandy mud.
  - Hcs** **Holocene coastal swamp and marsh**—Gray to black clays of high organic content and thick peat beds, underlying freshwater marsh and swamp.
- PLEISTOCENE**
- Peoria Loess**—Eolian silt veneer of late Wisconsin age (Peoria Loess) mantling Pleistocene strata. In French Settlement quadrangle loess is 1–3 m thick west of the Arnette River and Grays Creek valleys and less than 1 m thick to the east of them (Miller, 1983). It 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 in the Florida Parishes of southeastern Louisiana. In French Settlement quadrangle it consists of clayey very fine sand, grayish with yellowish-brownish mottles.
  - Pplr** **Relict Pleistocene ridges**—Interbedded sandy and muddy sediments, with indications of coastal-marine and/or deltaic influence, composing Indian Camp Ridge. In Whitehall quadrangle directly to the northeast, at subsea elevations of 0.6 to 2 m, it contains beds of laminated mud with intact Rangia shells, and silty to fine sandy beds some of which contain fragmented oyster shells.
- Open Water**
- Wetlands**
- Escarpments**—Marks the valley walls of late Pleistocene paleovalleys within the Hammond alloformation.
- Streams**
- Contact**—includes inferred contacts.
- Topographic Contours**

**References:**

McCulloh, R. P., 2007, A late Pleistocene low-relief constructional ridge in southern Livingston Parish, Louisiana: Louisiana Geological Survey Newsletters, v. 17, no. 2, p. 4–6.

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Department of Agronomy, Louisiana Agricultural Center, Louisiana Agricultural Experiment Station, Baton Rouge, unpublished map, Louisiana Geological Survey, scale 1:250,000.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  
3079 Energy, Coast & Environment Building, Louisiana State University  
Baton Rouge, LA 70803 • 225/578-5320 • www.lsu.edu/lgs/

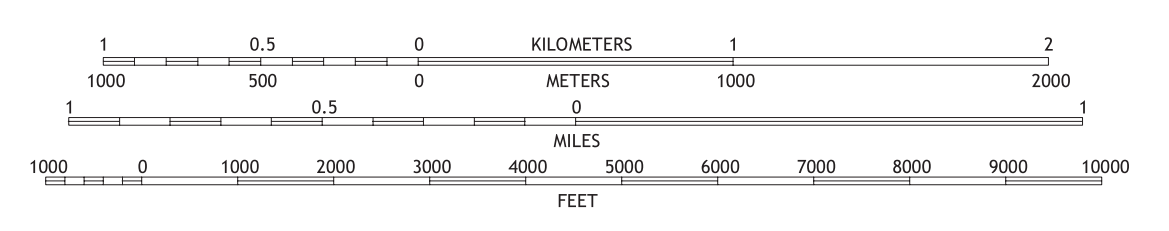
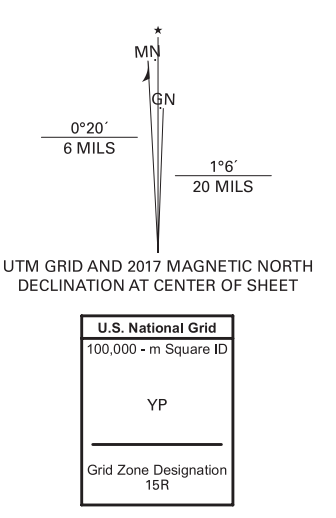
This geologic map was funded in part by the USGS National  
Cooperative Geologic Mapping Program under STATEMAP award  
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Geology by: Richard P. McCulloh and Paul V. Heinrich

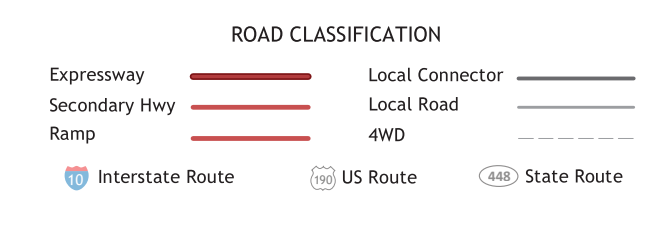
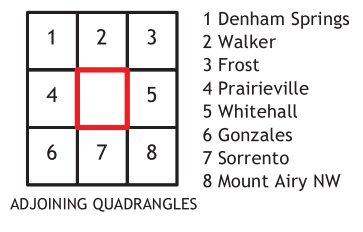
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Cartography by: Robert L. Paulsell and Lisa Pond



SCALE 1:24,000

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



FRENCH SETTLEMENT, LA  
2020

French Settlement 7.5 Minute Geologic Quadrangle 2020

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