

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 gravely sand to sandy mud.

PLEISTOCENE

**LOESS**—Eolian silt veneer of late Wisconsin age (**Peoria Loess**) mantling Pleistocene and older strata. Underlain in places by older loess of possible late Sangamon to early Wisconsin age (**Sicily Island Loess**). Loess is shown where the total thickness of either or both loess units is 1 meter or greater.

PRAIRIE ALLOGROUP

**Pp**  
**Prairie Allotop, undifferentiated**—Late to middle Pleistocene deposits of the Mississippi River, its tributaries, and coastal plain streams, undifferentiated where local fluvial terrace remnants flank the more headward portions of stream bottoms. Very fine to fine sand, in places clayey and/or semiconsolidated, grayish with yellowish to brownish stains.

**Pph**  
**Hammond allotop**—Deposits of middle to late Wisconsin coastal-plain streams in the Florida Parishes of southeastern Louisiana. It consists of grayish silty clay to very fine to medium sand, with abundant ferromanganese nodules (<2 cm) in places, and in the northern Pride to western Watson 7.5-minute quadrangles is covered by 1 m or more of Peoria Loess.

**Ppi**  
**Irene allotop**—Alluvial deposits of the middle Pleistocene ancestral Mississippi River and local fluvial equivalents of Florida Parishes streams in southeastern Louisiana. Texture ranges from silty clay to coarse sand, with fining-upward sequences common. The upper surface in places is a grayish silty clay with a distinctive mixture of fragmented whitish flakes of silt. Where mapped in Pride 7.5-minute quadrangle, this unit is blanketed by both Peoria and Sicily Island Loess or loess-derived colluvium.

INTERMEDIATE ALLOGROUP

**Pmo**  
**Montpelier allotop**—Colluvial and slope deposits of the Florida Parishes of southeastern Louisiana derived from the Pliocene Citronelle Formation. In the Pride quadrangle it consists of silt to clayey very fine to coarse sand, with sandy gravel in places, reddish to yellowish brown with grayish mottles, blanketed by Peoria and/or Sicily Island Loess. Contains root casts and ironstone deposits including nodules and stringers in places.

TERTIARY SYSTEM  
PLIOCENE

UPLAND ALLOGROUP

**Puc**  
**Citronelle Formation, undifferentiated**—Alluvial sediments deposited by Pliocene streams in the Florida Parishes of southeastern Louisiana. Where mapped in the Pride quadrangle, it consists primarily of clayey very fine to coarse sand, with gravely sand to sandy gravel (comprising chert, quartz, and/or light-colored mud, reddish to reddish brown with grayish to yellowish to brownish mottles, and is blanketed by Peoria and/or Sicily Island Loess. In places it includes abundant tree root casts and ironstone. Low-weathered exposures of Citronelle may show large-scale cross beds, horizontal bedding, and mud rip-up clasts.

**Open Water**

**Contact**—includes inferred contacts.

**Roads and Railroads**

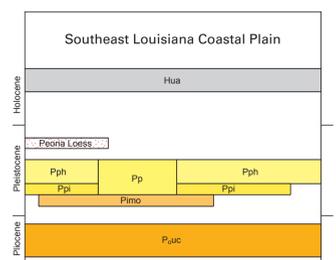
**Streams**

**Topographic Contours**

References:

Loess distribution based on:  
Miller, B. J. (compiler), [1983], [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.lgs.lsu.edu

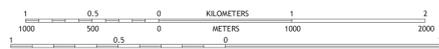
This geologic map was funded in part by the USGS National Cooperative Geologic Mapping Program under StateMap award number G15AC00247, 2015.

Copyright ©2016 by the Louisiana Geological Survey

Geology by: Richard P. McCulloh and Paul V. Heinrich

GIS Compilers: R. Hampton Peele, Richard P. McCulloh, and Paul V. Heinrich

Cartography by: Robert Paulsell



SCALE 1:24,000

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

0°04' E Change 0°16' W Yr  
APPROXIMATE MEAN DECLINATION, 2015



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 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 regional 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.



Chacko J. John  
Director & State Geologist

Pride 7.5 Minute Geologic Quadrangle  
Open File Series 2016-03