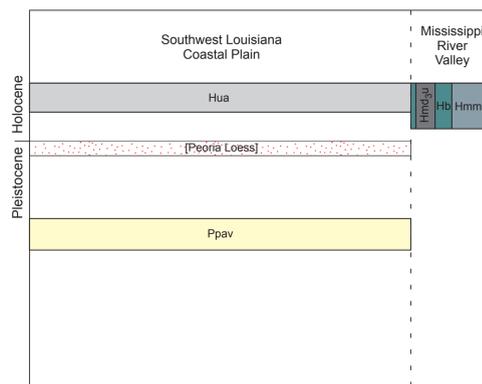


Description of Map Units

- 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.
 - Hb**—Backswamp deposits—fine-grained Holocene deposits of rivers, underlying the flood basins between meander belts.
 - Hmdju**—Distributary complex of Mississippi River meander belt 3, upper deposits—natural levee deposits of the distributary course of the youngest (Bayou Teche) occupation of Mississippi River meander belt 3.
 - Hmml**—Mississippi River meander belt 3, lower deposits—Point bar deposits of an older (Bayou Portage) occupation of Mississippi River meander belt 3.
- PLEISTOCENE**
- Loess**—Eolian silt veneer of late Wisconsin age (Peoria Loess) mantling Pleistocene strata. Loess is 3-5 m thick in Youngville quadrangle (Miller, 1983) and consists of gray to brown clayey silt to silty clay, in places with nodules, 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**
- Ppav**—Avoyelles alloformation—Meander-belt deposits of the late Pleistocene Mississippi River, terraced above and parallel to its western valley wall and incised into the underlying Beaumont Alloformation. The surface is occupied by relict channels of the Lafayette meander belt. Gray, tan, and brown clay, silt, and sand, in places calcareous and/or carbonaceous, or with clay pockets, silt seams, laminae of clayey silt and sand, sand layers, organic matter, iron-oxide stains and/or nodules (< 2 mm), and brown mottles.
- Open Water**
- Contact**—includes inferred contacts.
- Roads**
- Railroads**
- Streams**
- Topographic Contours**
- Normal fault**—Identity and existence certain, location accurate. Ball and bar on downthrown block.
 - Inferred fault**—Identity and existence certain, location inferred. Ball and bar on downthrown block.
 - Inferred fault**—Identity and existence questionable, location inferred.
 - Concealed fault**—Identity and existence certain, location concealed. Ball and bar on downthrown block.
- References:**
- 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



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Cartography by: Robert L. Paulsell and Lisa Pond

0° 06' E
APPROXIMATE MEAN
DECLINATION, 2016
UTM GRID AND 2015 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET



Base map from U.S. Geological Survey 1:24,000 GeoPDF
National Geospatial Program L.S. 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



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Youngville 7.5 Minute Geologic Quadrangle
Open File Series 2017-04