

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.
 - Hrm** **Meander-belt of the Teche course of the Red River**—Brownish red point bar and overbank deposits of the relict course of the Red River that have accumulated within the Bayou Teche occupation of Mississippi River meander belt No. 3. Locally, these deposits may include younger natural levee and overbank deposits of the modern Bayou Teche that are too small to map at this scale.
 - Hm3u** **Mississippi River meander belt 3, upper deposits**—Point bar deposits of the youngest (Bayou Teche) occupation of Mississippi River meander belt 3, buried by a thin layer of overbank sediments.
 - Hm13u** **Natural levee complex of Mississippi River meander belt 3, upper deposits**—Deposits composing low natural levees flanking the younger (Bayou Teche) of two occupations of Mississippi River meander belt 3.
 - Hm3c** **Crevasse complex of Mississippi River meander belt 3, upper deposits**—Silty to sandy crevasse channel and splay deposits originating from the youngest (Bayou Teche) occupation of Mississippi River meander belt 3.
 - Hm3l** **Mississippi River meander belt 3, lower deposits**—Point bar deposits of an older (Bayou Portage) occupation of Mississippi River meander belt 3.
 - Hm13l** **Natural levee complex of Mississippi River meander belt 3, lower deposits**—Deposits composing low natural levees flanking the older (Bayou Portage) of two occupations of Mississippi River meander belt 3.
 - Hm3d** **Distributary complex of Mississippi River meander belt 3, lower deposits**—Natural levee deposits of the distributary course of an older (Bayou Portage) of two occupations 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 Breaux Bridge quadrangle (Miller, 1983) and consists of gray to brown clayey silt to silty clay, 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.

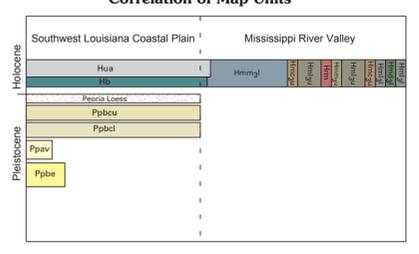
- PRAIRIE ALLOGROUP**
- Ppbcu** **Upper Big Cane alloformation**—Stratigraphically higher sequence underlying the lower of two geomorphic surfaces developed on the Big Cane alloformation. Gray to brown sand and silty sand, in places with traces of gravel.
 - Ppbcl** **Lower Big Cane alloformation**—Stratigraphically lower sequence underlying the higher of two geomorphic surfaces developed on the Big Cane alloformation. Brown sand, in places with traces of gravel, iron-oxide stains, and organic matter.
 - Ppav** **Avoyelles alloformation**—Meander-belt deposits of the late Pleistocene Mississippi River, incised 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. In the Lafayette area and vicinity a thin blanket of overbank sediment overlies the Beaumont Alloformation adjacent to the edge of the Lafayette meander belt (Mateo, 2015), and could not be mapped.
 - Ppbe** **Beaumont Alloformation**—Coastal-plain deposits of late to middle Pleistocene streams, forming the oldest and topographically highest of the Prairie surfaces of southwestern Louisiana. Gray, tan, brown, and red clay, silt, and sand, in places with Fe nodules (≤ 2 mm). Subsurface data indicate that in its upper 80+ m the unit in places shows a transition from fining-upward gravel, overlain by coarse sand and gravel, to fining-upward sand (coarse to fine) and clay at the surface. In areas to the north and west of the study area the surface exhibits relict channels of the Red, Mermentau, and Calcasieu Rivers, and the unit includes deposits of the Ingleside barrier trend (Houston Ridge).

- Open Water**
- Streams**
- Contact**—includes inferred contacts.
- Topographic Contours**

References:

Mateo, Z. R. P., 2005, Fluvial response to climate and sea-level change, Prairie Complex, Lower Mississippi Valley M.S. thesis, University of Illinois, Chicago, 66 p.
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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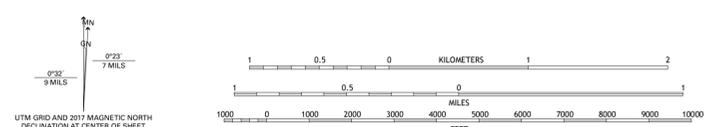
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1	2	3
4	5	6
7	8	

ADJOINING QUADRANGLES



BREAUX BRIDGE, LA
2018

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