

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.

PLEISTOCENE

**LOESS**—Eolian silt veneer of late Wisconsin age (Peoria Loess) mantling Pleistocene strata. Loess is 1-3 m thick in Mire quadrangle (Miller, 1983) and 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

**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 (5-2 mm). Subsurface data indicate that in its upper 80+ m the unit in places shows a transition from fine-upward gravel, overlain by coarse sand and gravel, to fine-upward sand (coarse to fine) and clay at the surface. In areas to the north and west of the study area the surface exhibits silt channels of the Red, Mermentau, and Calcasieu Rivers, and the unit includes deposits of the Ingleside barrier trend (Houston Ridge).

Open Water

**Normal Fault**—Ball and bar on downthrown side.  
**Inferred Fault**—Identity and existence certain, location inferred. Ball and bar on downthrown side.

**Contact**—Includes inferred contacts.

**Roads/Federal Highway/Interstate Highway**

**Railroads**

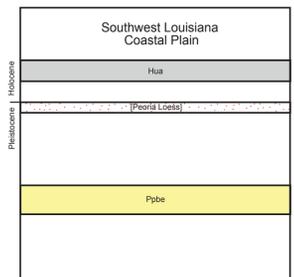
**Streams**

**Topographic Contours**

References:

Miller, B. J. (compiler), 1983, [Distribution and thickness of loess in Lake Charles, 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Department of Agronomy, Louisiana Agricultural Center, Louisiana Agricultural Experiment Station, Baton Rouge, unpublished map, Louisiana Geological Survey, scale 1:250,000.

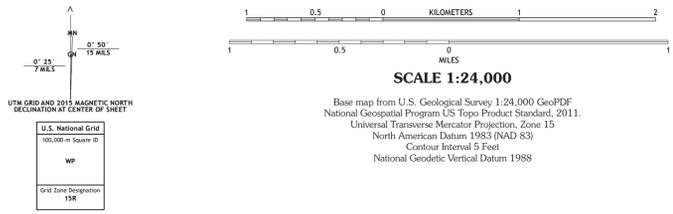
Correlation of Map Units



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ADJOINING QUADRANGLES

1	2	3
4	5	6
7	8	

1 Richard  
 2 Church Point  
 3 Sunset  
 4 Branch  
 5 Carencro  
 6 Crowley East  
 7 Duson  
 8 Lafayette

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Mire 7.5 Minute Geologic Quadrangle  
 2018