

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

Ppbe—Eolian silt veneer of late Wisconsin age (Peoria Loess) mantling Pleistocene strata. Loess is 1-3 m thick in Duson 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 (< 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 silt channels of the Red, Mermentau, and Calcasieu Rivers, and the unit includes deposits of the Ingleside barrier trend (Houston Ridge).

Open Water

Contact—includes inferred contacts.

Roads/Federal Highway/Interstate Highway

Railroads

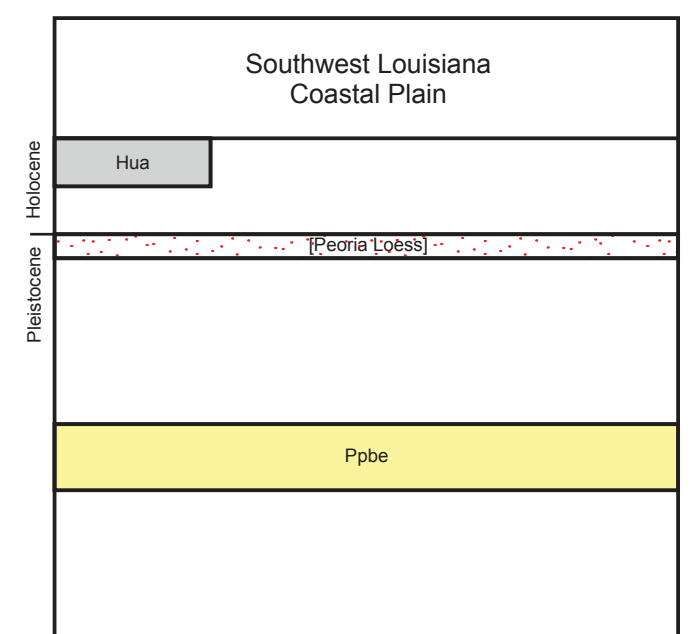
Streams

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Department of Agronomy, Louisiana Agricultural Center, Louisiana Agricultural Experiment Station, Baton Rouge, unpublished map, Louisiana Geological Survey, scale 1:250,000.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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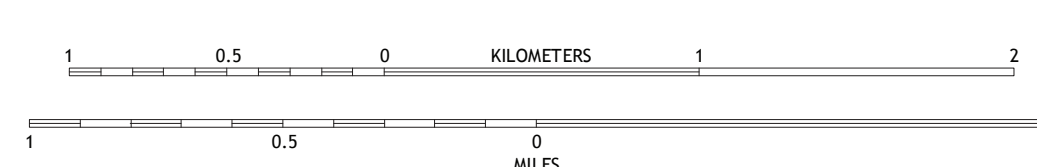
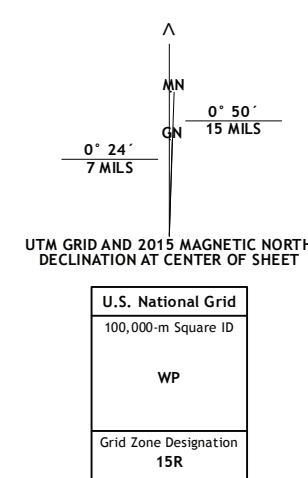
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SCALE 1:24,000

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



QUADRANGLE LOCATION

1 Branch	2 Mire	3 Carencro
4 Crowley East	5 Lafayette	6 Kaplan North
7 Lery	8 Milton	

ADJOINING QUADRANGLES

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Chip Groat
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Duson 7.5 Minute Geologic Quadrangle
2018