

**Description of Map Units**

QUATERNARY SYSTEM

HOLOCENE

**Ha Alluvium**—Nonconsolidated mud flooring ravines and bayous in northeastern map area. Dark brown and black humus-rich clay of Mississippi River flood stage mingled with light brown, rust-brown, and reddish brown silty mud and fine sand lag deposits sourced from nearby loess terraces.

PLEISTOCENE

**Pp Peoria Loess**—Eolian silt veneer of late Wisconsin age mantling Pleistocene and older strata. Loess is shown where the total thickness is 1 meter or greater.

PRAIRIE ALLOGROUP

**Pp Prairie Allegroup, undifferentiated**—a diverse depositional sequence of late to middle Pleistocene deposits of the Mississippi River, its tributaries, and coastal plain streams; includes terraced fluvial (meander belt, backswamp, and braided stream), colluvial, estuarine, deltaic, and marine units deposited over a considerable interval (Wisconsin to Sangamon) of the late Pleistocene. Multiple levels are recognized along alluvial valleys and coast-parallel trends, and are grouped into two principal temporal phases. The allegroup is undifferentiated where local fluvial terrace remnants flank the more headward portions of stream bottoms.

**Pper relict Pleistocene ridges**—alluvial remnants delineated on portions of the surface of the Prairie Allegroup, Early Sangamon.

**Pph Hammond alloformation**—deposits of middle to late Wisconsin Coastal Plain streams, blanketed by Peoria Loess, in the Florida Parishes of southeastern Louisiana. Includes flood-plain deposits of the late Pleistocene Mississippi River, exposed in the eastern valley wall of the modern Mississippi River alluvial valley, originally defined as the Mt. Pleasant Bluff Alloformation.

**Ppi Irene alloformation**—alluvial deposits of the middle Pleistocene ancestral Mississippi River and local fluvial equivalents of Florida Parishes streams in southeastern Louisiana. Where mapped, this unit is blanketed by both Peoria and Sicily Island Loess or loess-derived colluvium.

INTERMEDIATE ALLOGROUP

**Pmo Montpelier alloformation**—colluvial and slope deposits of the Florida Parishes of southeastern Louisiana derived from the Citronelle Formation and/or Tertiary formations. The unit is blanketed by Peoria and/or Sicily Island Loess.

TERTIARY SYSTEM

PLIOCENE

UPLAND ALLOGROUP

**Puc Citronelle Formation**—Alluvial sediments deposited by Pliocene streams in the Florida Parishes of southeastern Louisiana. Where mapped in the upper Amite River valley, it consists primarily of clayey very fine to coarse sand, with gravelly 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. Less-weathered exposures of Citronelle may show large-scale cross beds with light-grayish, whitish-weathering grains and sparse mica concentrated on cross beds; horizontal bedding; and mud rip-up clasts.

**Open Water, Inundated Area, Swamp**

**Streams**

**Contact**—includes inferred contacts.

**Topographic Contours**

References:

Auta, W.J., A.T. Dawson, B.J. Miller, W.J. Day, and B.A. Schumacher, 1988. Exposure of late Pleistocene meander-belt facies at Mt. Pleasant, Louisiana. *Gulf Coast Association of Geological Societies Transactions* v. 38, p. 375-383.

Blicker, A.R. Jr. (compiler), 1969. *Geologic Map of Mississippi*. Mississippi Geological Survey, Jackson, scale 1:500,000.

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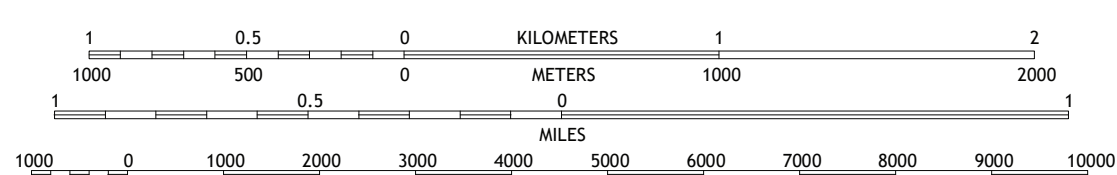
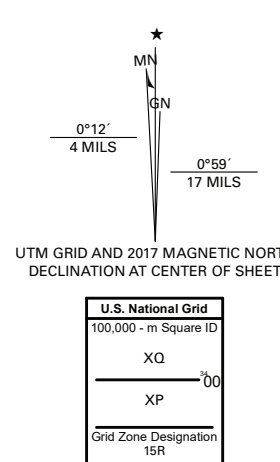
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SCALE 1:24,000  
 CONTOUR INTERVAL 5 FEET  
 NORTH AMERICAN DATUM OF 1983 (NAD 83)  
 WORLD GEODETIC SYSTEM 1984 (WGS 84)  
 UNIVERSAL TRANSVERSE MERCATOR PROJECTION, ZONE 15  
 NORTH AMERICAN VERTICAL DATUM OF 1988

1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES



ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route (67)	US Route (415)
State Route	

Base Map	United States Geological Survey, 2020
Boundaries	LaDOTD, 2007
Contours	National Elevation Dataset, 2008 - 2011
Hydrography	National Hydrography Dataset, 2002 - 2017
Names	GNIS, 1980 - 2017
Roads	U.S. Census Bureau, 2017
Wetlands	FWS National Wetlands Inventory 2021

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**Geologic Map of the Fred 7.5' quadrangle,  
 East Baton Rouge and East Feliciana Parishes, Louisiana**