

Description of Map Units

QUATERNARY SYSTEM

HOLOCENE

Ha **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.

QUATERNARY UNDIFFERENTIATED

Qaf **Quaternary alluvial-fan deposits**—Unnamed alluvial-fan deposits.

PLEISTOCENE

LOESS—Eolian silt veneer of late Wisconsin age (Peoria Loess) mantling Pleistocene and older strata. Underlain in places by older loess of possible Sangamon to early Wisconsin age (Sicily Island Loess). Loess is shown where the total thickness of either or both loess units is 1 meter or greater.

PRAIRIE ALLOGROUP

Pph **Hammond alloformation**—Deposits of middle to late Wisconsin coastal-plain streams in the Florida Parishes of southeastern Louisiana. In the upper Amite River valley area it consists of grayish silty clay to very fine to medium sand, with yellowish and brownish mottles and abundant ferromanganese nodules (5-2 cm) in places.

Ppi **Irene alloformation**—Alluvial and colluvial deposits of the middle Pleistocene ancestral Amite River and other equivalents of Florida Parishes streams in southeastern Louisiana. Texture ranges from silty clay to coarse sand, with fining-upward sequences common. The upper surface in places is a grayish silty clay with a distinctive mixture of fragmented whitish flakes of silt. West of the Amite River valley, this unit is blanketed by 1 m or more of loess, or loess-derived colluvium.

INTERMEDIATE ALLOGROUP

Pimo **Montpelier alloformation**—Alluvial, colluvial, and slope deposits of the Florida Parishes of southeastern Louisiana derived from the Pliocene Citronelle Formation. In the upper Amite River valley it consists of silt to clayey very fine to coarse sand, with sandy gravel in places, reddish to yellowish brown with grayish mottles, blanketed by Peoria and/or Sicily Island Loess. Contains root casts and ironstone deposits including nodules and stringers in places.

TERTIARY SYSTEM

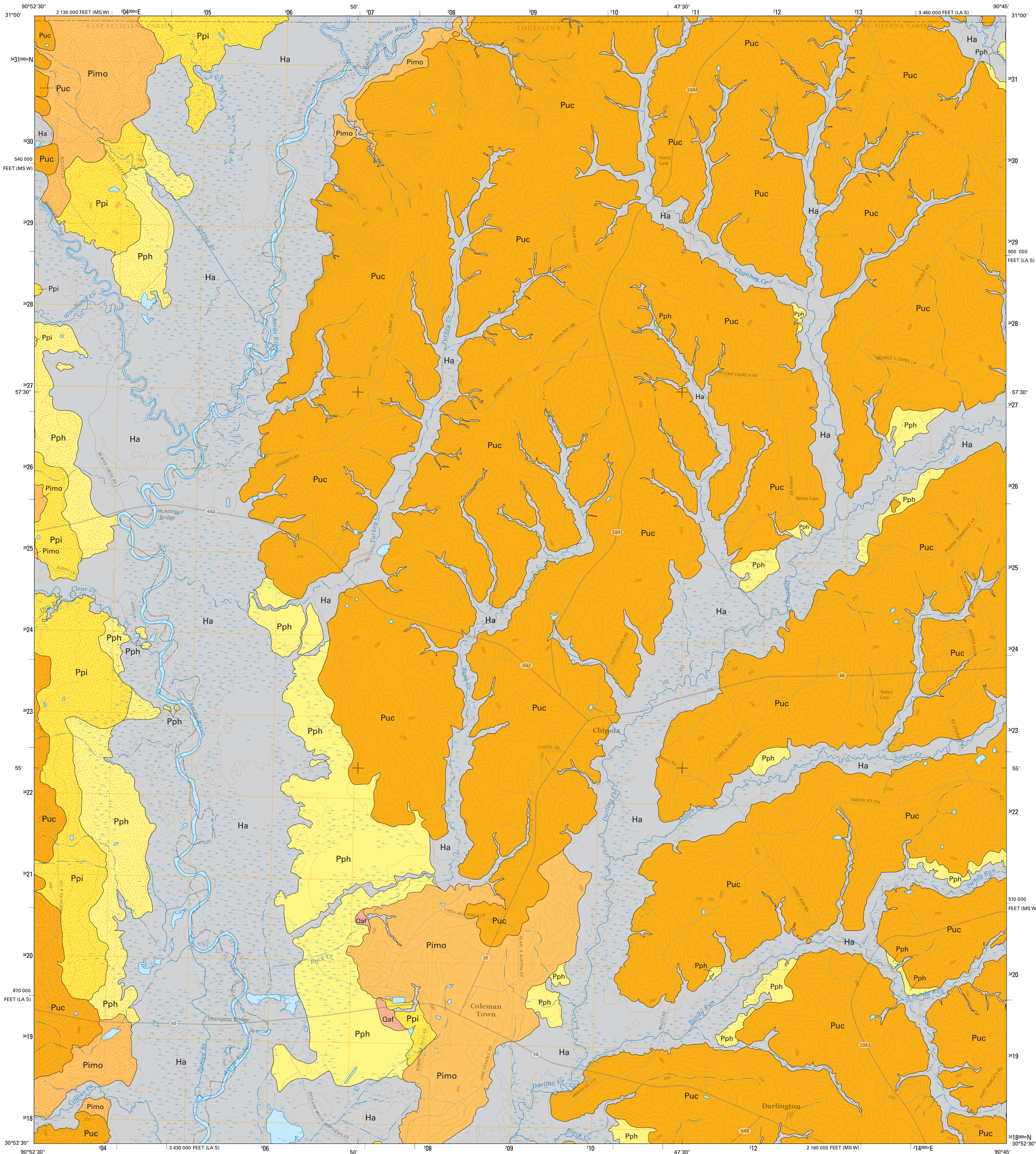
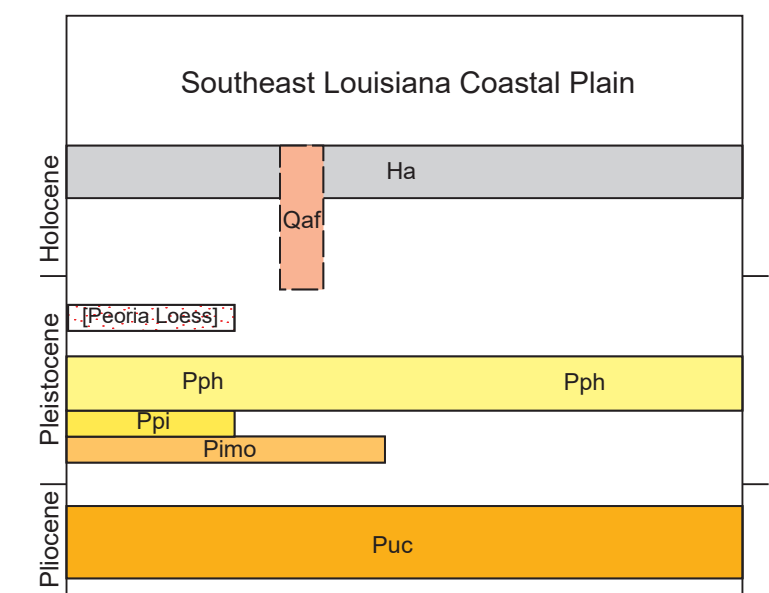
PLIOCENE

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, Wetland**
- Streams**
- Contact**—includes inferred contacts.
- Topographic Contours**

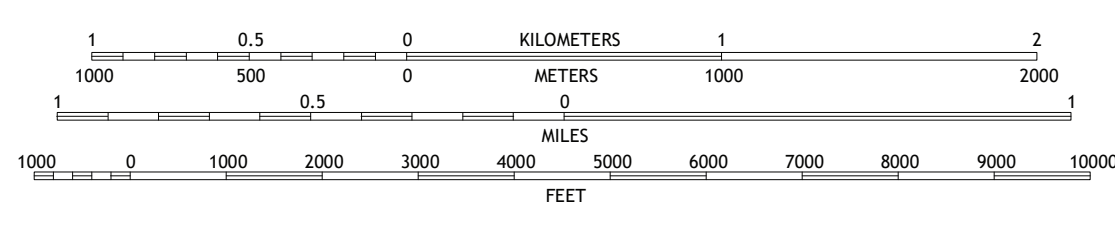
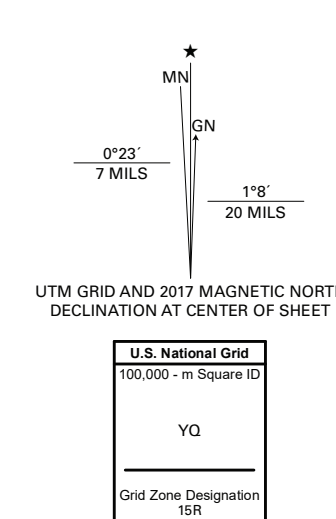
Correlation of Map Units



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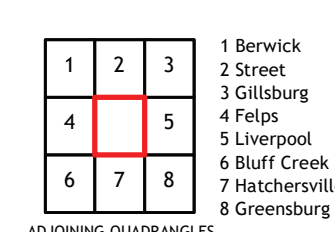
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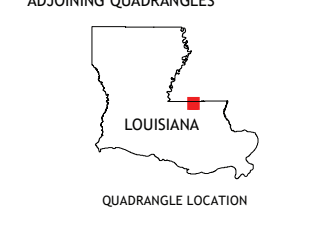


SCALE 1:24,000

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 10 Feet
 National Geodetic Vertical Datum 1988



- ROAD CLASSIFICATION**
- Expressway
 - Secondary Hwy
 - Ramp
 - Local Connector
 - Local Road
 - Railroad
 - Interstate Route
 - US Route
 - State Route



Base Map.....United States Geological Survey, 2020
 Boundaries.....LaDOTD, 2007
 Contours.....National Elevation Dataset, 2002 - 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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Geology of the Chipola 7.5 minute quadrangle
 East Feliciana and St. Helena Parishes, Louisiana