# **Description of Map Units**

## QUATERNARY SYSTEM

HOLOCENE

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

**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 late

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

**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 ferromagnesian nodules ( $\leq 2$ 

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

**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.

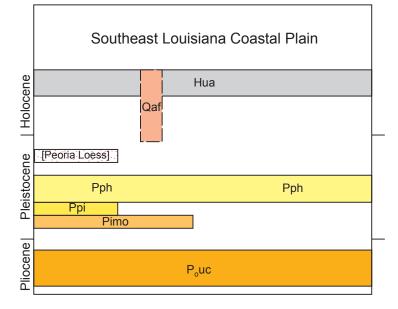
### TERTIARY SYSTEM

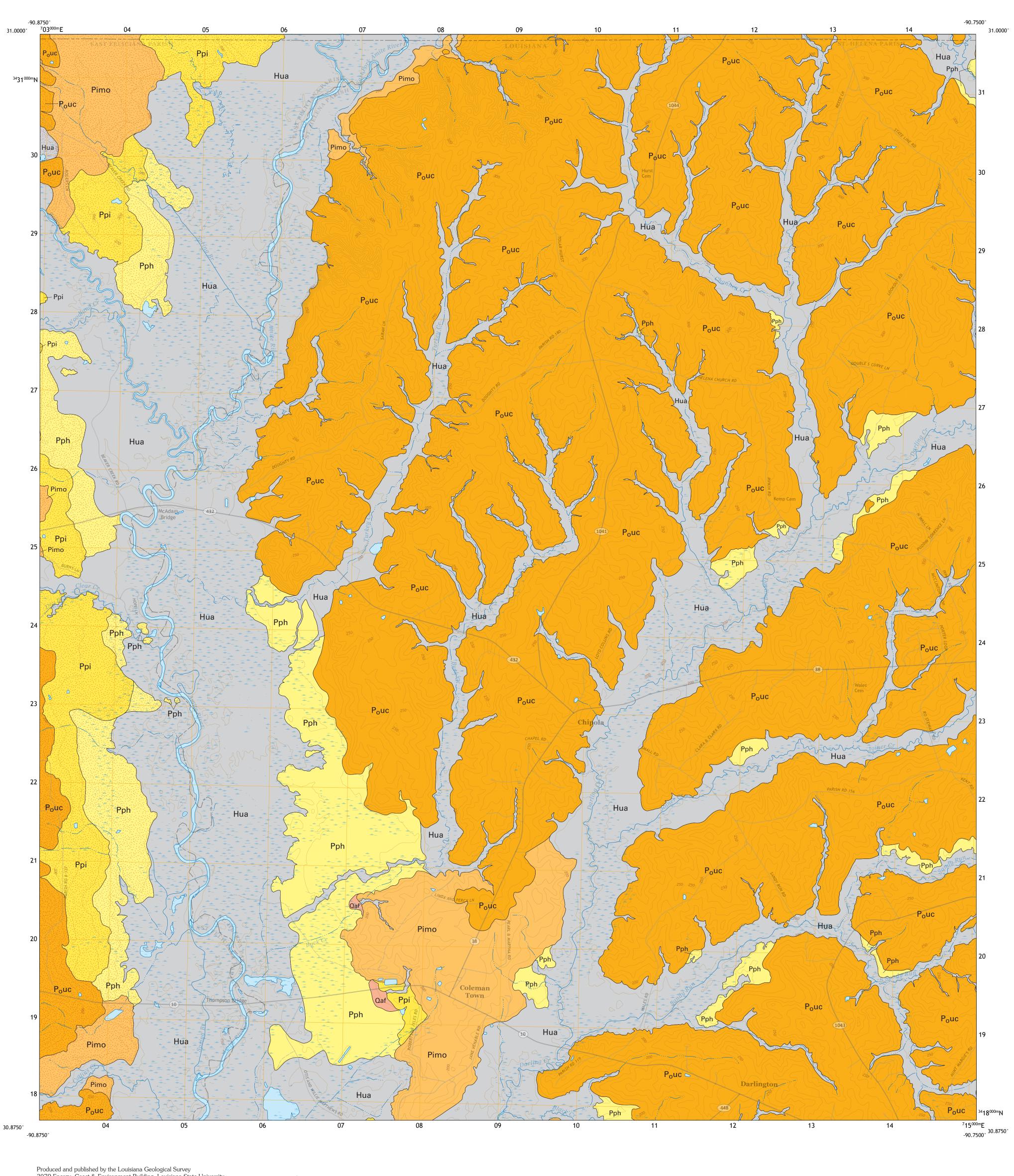
PLIOCENE UPLAND ALLOGROUP

**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 Amite River valley, it consists primarily of clayey very line 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 gray places. rip-up clasts.

**Topographic Contours** 

# **Correlation of Map Units**





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and Paul V. Heinrich

Cartography by: Robert L. Paulsell

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UTM GRID AND 2017 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET YQ

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET NORTH AMERICAN VERTICAL DATUM OF 1988 North American Datum of 1983 (NAD83)

World Geodetic System of 1984 (WGS84).

Projection and 1,000-meter grid: Universal Transverse Mercator, Zone 15R

6 Bluff Creek 7 Hatchersville ROAD CLASSIFICATION Local Road 448 State Route

> CHIPOLA, LA, MS 2018

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