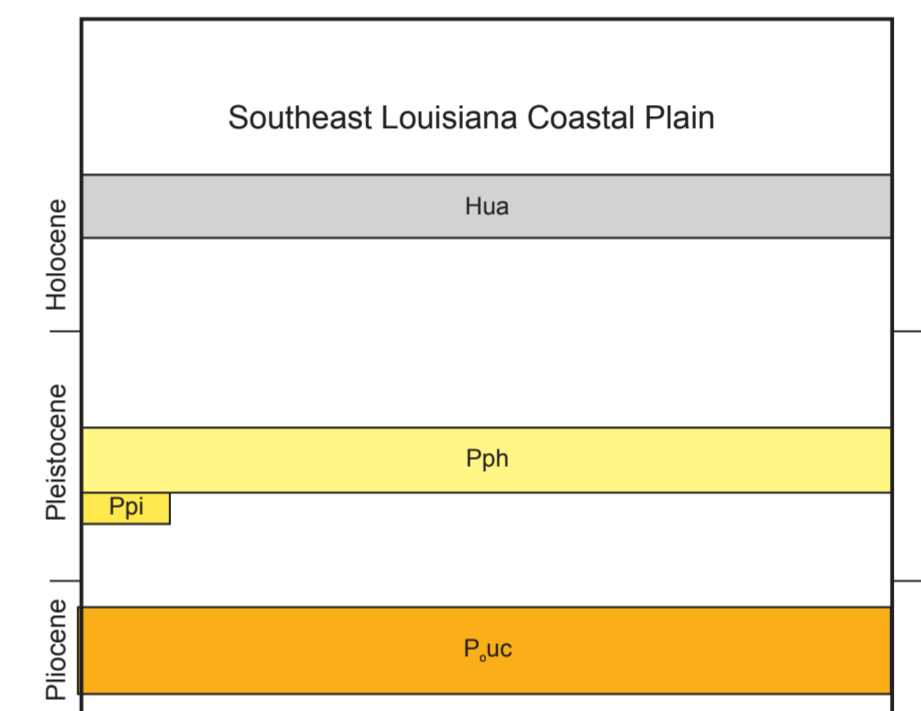


Description of Map Units

- 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**
- PRAIRIE ALLOGROUP**
- Pph** **Hammond alloformation**—Deposits of middle to late Wisconsin coastal-plain streams in the Florida Parishes of southeastern Louisiana. In the area encompassing Waldheim quadrangle it consists of very fine to medium sand, silt, and silty clay, and is grayish with yellowish, brownish, and/or reddish mottles.
  - Ppi** **Irene alloformation**—Alluvial and colluvial deposits of the middle Pleistocene courses of Florida Parishes streams in southeastern Louisiana. Texture ranges from silty clay to coarse sand, with fining-upward sequences common. In the area encompassing Waldheim quadrangle it consists of very fine to medium sand, silt, and silty clay, and is grayish with yellowish, brownish, and/or reddish mottles. The unit is blanketed by less than 1 m of loess, or loess-derived colluvium.
- TERTIARY SYSTEM**
- PLIOCENE**
- UPLAND ALLOGROUP**
- P0uc** **Citronelle Formation**—Deeply dissected alluvial deposits of Pliocene streams originating from nonlocal sources in the Florida Parishes of southeastern Louisiana. Correlates with the Willis Formation in southwestern Louisiana. In the area encompassing the Waldheim quadrangle, the Citronelle Formation consists 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, with occasional thin beds of pale red mud and purple clay, and is blanketed by less than 1 m of 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.
- Surface/Open Pit Gravel Mines**
- Open Water**
- Wetlands**
- Streams**
- Contact**—includes inferred contacts.
- Topographic Contours**

Correlation of Map Units



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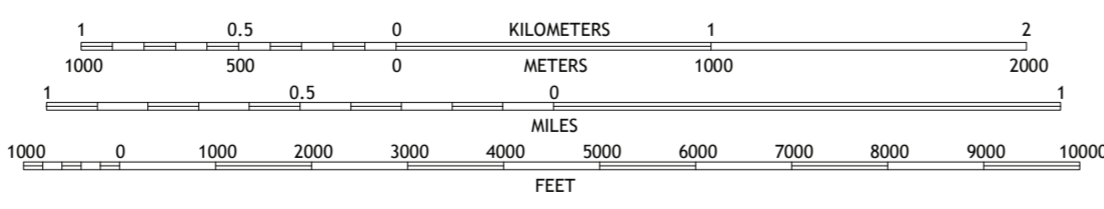
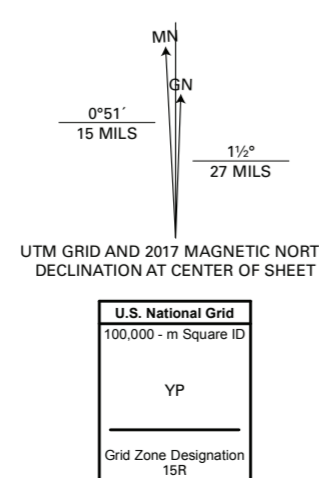
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Geology by: Richard P. McCulloh and Paul V. Heinrich

GIS Compilers: Robert L. Paulsell, Richard P. McCulloh, and Paul V. Heinrich

Cartography by: Robert L. Paulsell and Lisa Pond

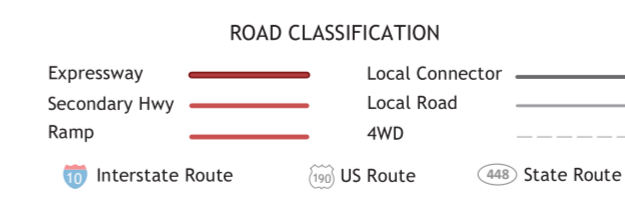


SCALE 1:24,000

Base map from U.S. Geological Survey 1:24,000 GeoPDF  
National Geospatial Program US Topo Product Standard, 2011.  
National Transverse Mercator Projection, Zone 15  
North American Datum 1983 (NAD 83)  
Contour Interval 5 Feet  
National Geodetic Vertical Datum 1988



1	2	3	1 Folsom
2	3	4	2 Ebon
3	4	5	3 San
4	5	6	4 Martville
5	6	7	5 Bush
6	7	8	6 Madisonville
7	8		7 Covington
8			8 Saint Tammany



WALDHEIM, LA  
2020

Waldheim 7.5 Minute Geologic Quadrangle 2020

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