

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 gravely sand to sandy mud.
 - Hcs** **Holocene coastal swamp**—gray to black, fine-grained, underconsolidated sediments underlying freshwater coastal swamp.
 - Hcm** **Holocene coastal marsh**—gray to black, fine-grained, underconsolidated sediments with high organic content and peat beds, underlying coastal marsh.
- QUATERNARY UNDIFFERENTIATED**
- Octu** **Undifferentiated low coastal terrace**—a coastal terrace underlain by unsorted loamy sediments that lies beneath the level of the surface of the Hammond alluviation in the area north of Lake Pontchartrain. These sediments consist of gray-brown silt and very fine sand showing weak consolidation and soil development. Limited data does not allow correlation of this stratigraphic unit and associated surface.
- PLEISTOCENE**
- PRAIRIE ALLOGROUP**
- Pph** **Hammond alluviation**—deposits of Sangamon to middle and late Wisconsin Coastal Plain streams. In general, it consists of stiff, light brown-white and light orange-white, fine-medium sandy mud and mud. These sediments are frequently interbedded with sand and silt layers and isolated thick sand bodies are locally present.
 - Ppplc** **Relict Pleistocene coastal ridges**—Pleistocene coast-parallel ridges mapped along southern edge of the coast-parallel surface of the Prairie Alluvium and within the undifferentiated low coastal terrace. Ridges associated with Prairie Alluvium consist of light gray-brown muddy fine sand with mottling of orange rust streaks and stains. Ridges found within undifferentiated low coastal terrace consist of yellowish brown, medium to fine sand.
- Open Water, Inundated Area, Wetland**
- Normal Fault**—ball and bar on downthrown side
- Streams**
- Contact**—includes inferred contacts
- Topographic Contours**

References:

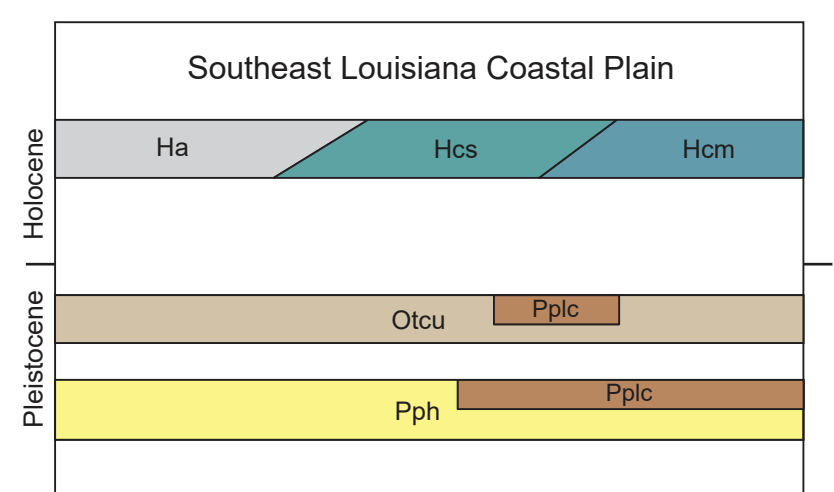
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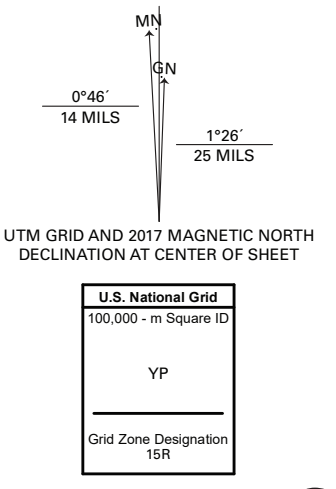
Correlation of Map Units



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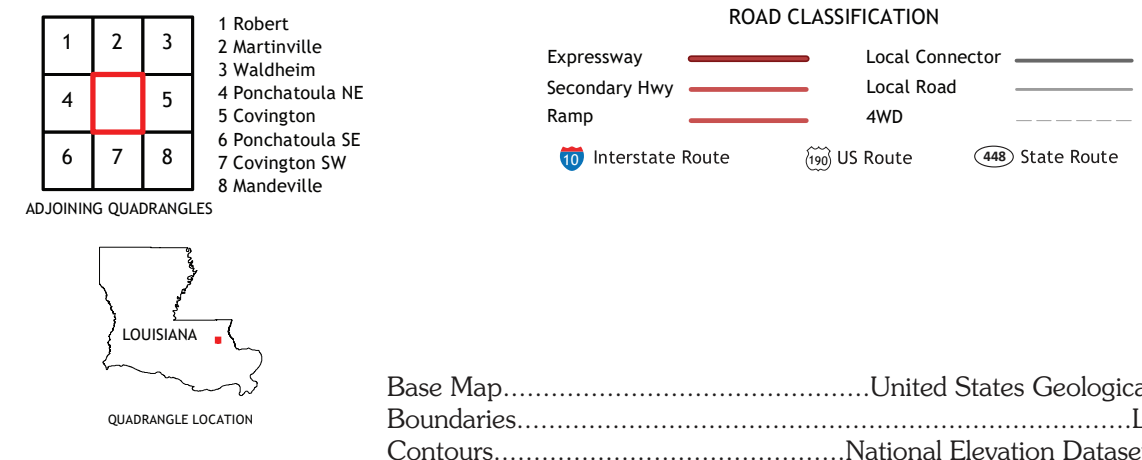
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SCALE 1:24,000

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



Geology of the Madisonville 7.5 minute quadrangle
St. Tammany and Tangipahoa Parishes, Louisiana

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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