

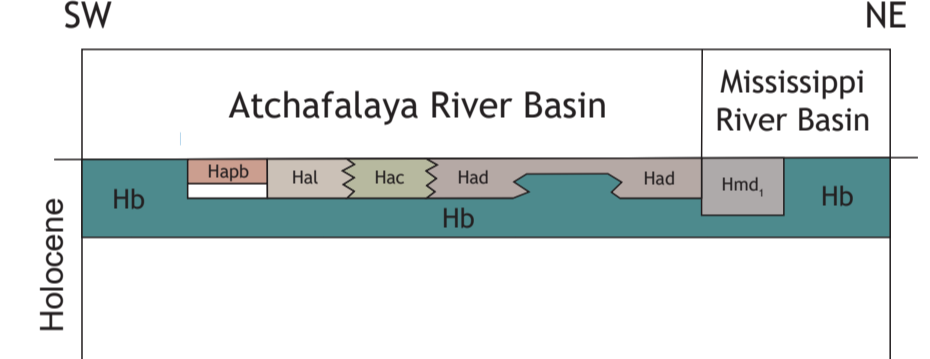


Description of Map Units

QUATERNARY SYSTEM
HOLOCENE

- Hapb** Point bar deposits of Atchafalaya River – light brown coarse sand of quartz, feldspar, and rock fragments. Deposit surface expressed as ridge-and-swale relief. Thickness not determined.
- Hac** Crevasse deposits of Atchafalaya River and major distributaries
B. Courtaubeau: red-brown muddy fine sand, coarse fraction of quartz and feldspar with lesser micas, rock fragments, dark silicates, and trace iron oxides. *B. Denny*: red-brown mud and clay mud with fine sand of quartz and feldspar with lesser micas, rock fragments, dark silicates, and iron oxides. *Indian Bayou*: red-brown muddy medium-fine sand of quartz and feldspar with lesser rock fragments, dark silicates, micas, and trace iron oxides and volcanic ash shards. Thickness < 3 meters.
- Hal** Levee deposits of Atchafalaya River meander belt – brown and red-brown muddy fine sand and fine sand with mud. Coarse fraction dominated by quartz and feldspar with fragments of phyllite, schist, chert, red siltstone and dolomite, and lesser dark micas, dark silicates, trace iron oxides and volcanic ash shards. Thickness < 4 meters.
- Had** Distributary deposits of Atchafalaya River meander belt
red-brown muddy fine and medium fine sands of quartz and feldspar with lesser micas and rock fragments and trace dark silicates and iron oxides flanking *Little Alabama Bayou*, *Alabama Bayou*, *Bayou des Ources*, and the old Atchafalaya channel. Gray-brown medium-fine muddy sand with quartz and feldspar, lesser rock fragments, dark silicates, and trace micas and iron oxides along *Bayou Stiff* above *Alabama Bayou* (northeast). Deposition by multiple flood episodes is indicated by vertical cycles in lithology and normal grading. Thickness along *Alabama Bayou* < 3 meters.
- Hmd** Distributary deposits of Mississippi River meander belt 1 – brown and brown-gray fine sandy mud and muddy fine sand of quartz, feldspar, rock fragments, and light and dark micas. Trace dark silicates and iron oxides. Limited to northeast corner of quadrangle. Thickness < 2 meters.
- Hb** Back swamp deposits – steel gray clay with trace amounts of very fine sand and silt size quartz, feldspar, rock fragments, iron oxides. Thickness not determined.
- Open Water, Inundated Area, Wetland**
- Streams**
- Contacts**
- Topographic contours**
- Federal lands boundary**

Correlation of Map Units



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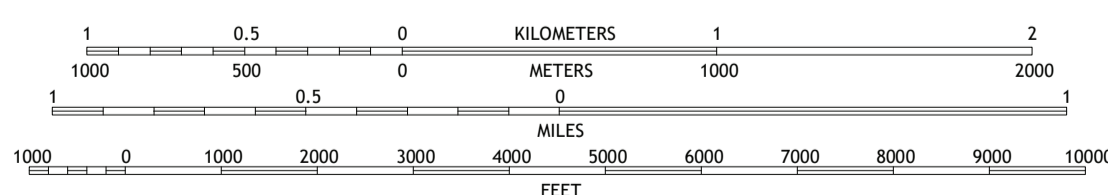
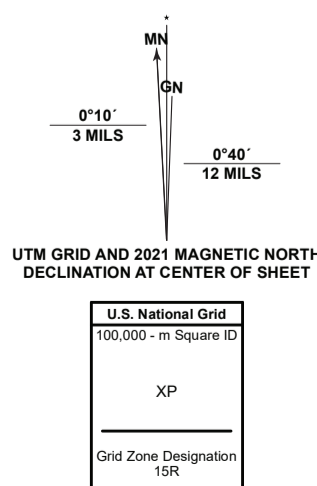
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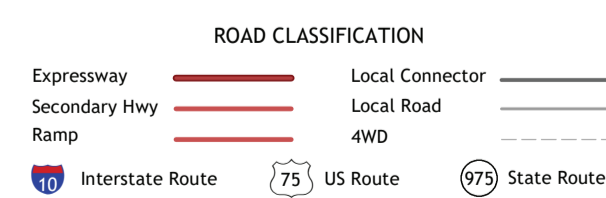
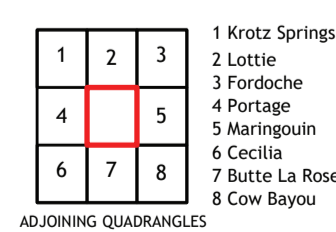
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SCALE 1:24,000
CONTOUR INTERVAL 5 FEET
NORTH AMERICAN DATUM OF 1983 (NAD 83)
WORLD GEODETIC SYSTEM 1984 (WGS 84)
UNIVERSAL TRANSVERSE MERCATOR PROJECTION, ZONE 15
NORTH AMERICAN VERTICAL DATUM OF 1988



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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Geology of the Maringouin NW 7.5 Minute Quadrangle,
Pointe Coupee, St. Landry, St.Martin, and Iberville Parishes, Louisiana, 2023