

Description of Map Units

QUATERNARY SYSTEM
HOLOCENE

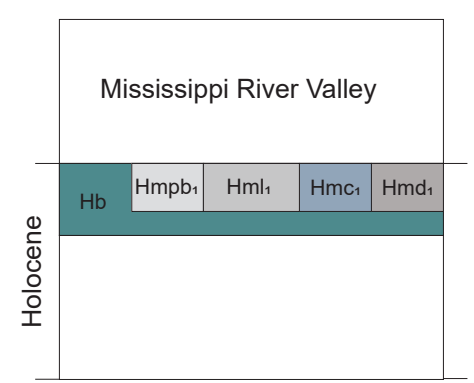
- Hmc₁** **Crevasse and crevasse complex deposits of the Mississippi River meander belt 1**—Lobate and plate-shaped deposit of sediment funneled by one or more incised channels radiating from the main river channel, most commonly situated along the downstream sector of a meander cut-bank. Medium brown silty and fine sandy mud, coarse fraction of quartz and feldspar with ~ 5% light and dark micas, other dark silicates, and magnetite.
- Hml₁** **Levee overbank flood deposits of the Mississippi River meander belt 1**—Widespread apron that parallels and thins away from the main channel and lacks geomorphic expression of individual feeder channels. Medium brown silty and fine sandy mud. Coarse fraction of quartz and feldspar with ~ 5% light and dark micas, other dark silicates, and magnetite.
- Hmpb₁** **Mississippi River point bar deposits**—Ridge-and-swale landform, interpreted as continuous deposition at channel point bars, typically with arcuate shape of variable curvature; may be mantled or concolated by subsequent flood stage deposits. Older point bar deposits in the map area typically consist of medium to dark brown silty mud with fine sand dominated by quartz and feldspars with magnetite and trace (<1%) light and dark micas, dark silicates, and fragments of schist and chert. Active point bar deposits are medium - light brown sand composed of ~ 0.2 grains quartz, feldspars, fragments of chert, quartzite, schist/phyllite, and basalt(?), with lesser amounts of micas and magnetite.
- Hmd₁** **Distributary channel deposits of the Mississippi River meander belt 1**—Silty mud levee and crevasse deposits of distributary channels historically or currently originating from the main Mississippi River. Grand, Caney, and unnamed bayous nearby; medium - dark brown silty and fine sandy mud with silt and fine sand of quartz and feldspar. Accessory (~ 2%) component consists of light and dark micas and magnetite with lesser mafic silicates and schist and phyllite lithics.
- Hb** **Backswamp deposits**—Mud in topographically low areas situated between inactive and active meander belts, composed of clay settled from slow moving or calm flood stage water. Dark steel gray clay with less than 0.1% silt fraction. Back-swamp depo-centers likely include sediment from multiple meander belts and therefore are not assigned to a specific episode.
- Open Water, Inundated Area, Wetland**
- Streams**
- Contacts**
- Topographic Contours**

References:

Hennrich, Paul V. and Whitney J. Austin, 2000, "Baton Rouge 30 x 60 Minute Geologic Quadrangle", scale 1:100,000, Pub. No. 30091-A1-100K, Louisiana Geological Survey, Louisiana State University, Baton Rouge, LA.

Saucier, Roger T. and John I. Sneed, 1989, "Quaternary Geology of the Lower Mississippi Valley", scale 1:1,100,000, Quaternary Nonglacial Geology; Conterminous U.S., Geology of North America, vol. K-2, Geological Society of America, Boulder, CO.

Correlation of Map Units



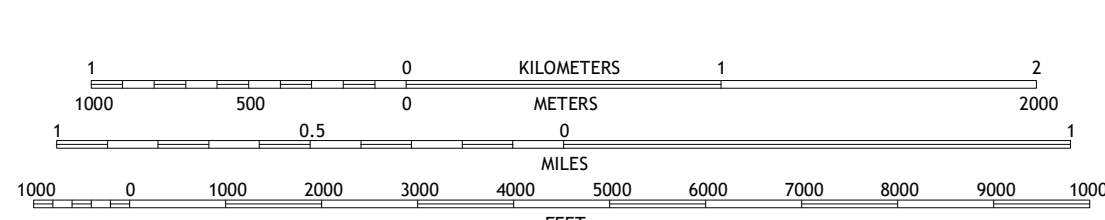
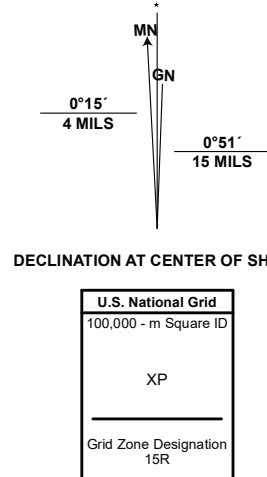
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SCALE 1:24,000
CONTOUR INTERVAL 5 FEET
NORTH AMERICAN DATUM OF 1983 (NAD 83)
WORLD GEODETIC SYSTEM 1984 (WGS 84)
UNIVERSAL TRANSVERSE MERCATOR PROJECTION, ZONE 15
NORTH AMERICAN VERTICAL DATUM OF 1988

1	2	3
4	5	6
7	8	



ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	AWD
Interstate Route	US Route
	State Route

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

This research is supported by the U. S. Geological Survey, National Cooperative Geologic Mapping Program. The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U. S. Government or the state of Louisiana. This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.

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**Geologic Map of the Lobdell 7.5' quadrangle,
West Baton Rouge and Iberville Parishes Louisiana, 2022**