

Description of Map Units

QUATERNARY SYSTEM

HOLOCENE

- Ha** Holocene undifferentiated alluvium—Undifferentiated deposits of small upland streams: alluvial deposits of minor streams and creeks of varying textures, filling valleys incised into older deposits
- Hb** Backswamp deposits—Fine-grained Holocene deposits of rivers, underlying the flood basins between meander belts
- Hrm** Red River meander-belt deposits—Point bar deposits underlying meander belts of the Red River. (This map depicts a union of Hrm1 through Hrm8)
- Hrl** Red River natural levee deposits—deposits forming low natural levees flanking the meander belts of the Red River.

PLEISTOCENE

DEWEYVILLE ALLOGROUP

- Pd** Deweyville Allogroup, undifferentiated—alluvial deposits of ancestral late Pleistocene coastal plain streams and certain Mississippi River tributaries including the Red, Ouachita, Sabine, Calcasieu, Pearl, and Bogue Chitto valleys. Multiple levels are locally recognized.

PRAIRIE ALLOGROUP

- Ppl** Upper Prairie Allogroup—Late Pleistocene alluvial deposits of the younger of the Prairie Allogroup temporal phases of the Red River valley. Where observed in the area northwest of Shreveport, the unit consists of grayish clayey very fine sand, with red mottles in places, weathering yellowish to yellowish brown.

INTERMEDIATE ALLOGROUP

- Pimt** Montgomery alloformation—meander belt deposits of the Red River in central Louisiana. The unit is blanketed by yellow loam, incises the Bentley alloformation and older units, and is incised by Prairie Allogroup and Holocene units.
- Pib** Bentley alloformation—dissected alluvial deposits of early Pleistocene streams of primarily the Red River in central Louisiana. The unit is blanketed by yellow loam and incises Tertiary formations; it is incised by younger subunits of the Intermediate allogroup, and by the Prairie Allogroup and younger strata. Equivalent to the Natchez Formation of Mississippi.

TERTIARY SYSTEM

MIOCENE

- Mf** Fleming Group, undifferentiated—texturally heterogeneous suite of generally poorly sorted clastic sediments comprising clay, silt/siltstone, and sand/sandstone in varying proportions. Surface exposures in the Alexandria area predominantly comprise grayish, muddy fine to very fine sand, with red mottles in places. In the Florida Parishes of southeastern Louisiana, undifferentiated Fleming Group strata mapped in southern Mississippi as Pascagoula and Hattiesburg formations unconformably underlie the Pliocene Citronelle Formation, but are exposed intermittently in streambed pavements and steep stream cutbanks that are too narrow to map at 1:100,000 scale.

Open Water, Inundated Area, Swamp

Contact—includes inferred contacts.

Streams

Topographic Contours

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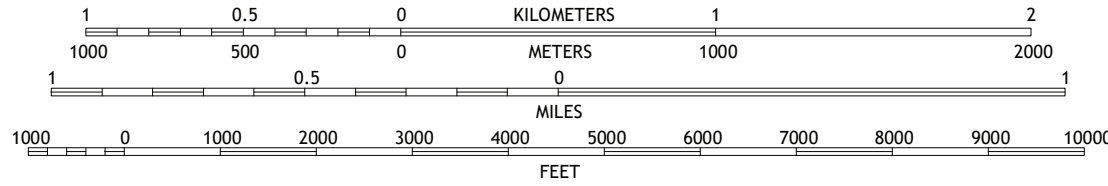
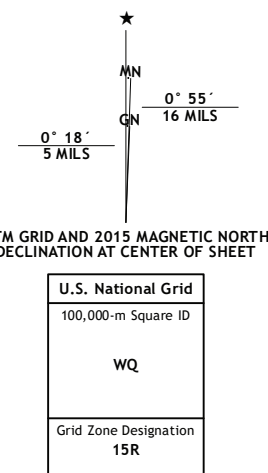
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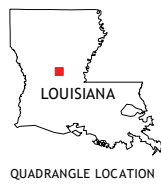
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1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES



ROAD CLASSIFICATION	
Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	Railroad
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

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Cooperative Geologic Mapping Program. The views and conclusions
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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.

This map has been carefully prepared from the best existing sources
available at the time of preparation. However, the Louisiana Geological
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conclusions drawn from such data are the sole responsibility of the user.
These geologic quadrangles are intended for use at the scale of 1:24,000.
A detailed on-the-ground survey and analysis of a specific site may differ
from these maps.

Geologic Map of the Alexandria 7.5 minute quadrangle
Rapides Parish, Louisiana