

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. Alluvium is not shown in certain contexts where a distinct channel is lacking, primarily in some places where it adjoins alluvial-fan deposits (Qaf).
  - Hsm** Small river meander belt deposits—Point bar deposits underlying the meander belts of small streams.
  - 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.
  - Hrd** Red river distributary deposits—Silty to clayey, reddish brown sediments that form the narrow natural levees of distributaries that extend from Red River meander belts into the adjacent backswamps.
- QUATERNARY UNDIFFERENTIATED**
- Qaf** Quaternary alluvial fan deposits—Unnamed alluvial fan deposits.
- PLEISTOCENE**
- DEWEVILLE ALLOGROUP**
- Pd** Deweyville Allogroup, undifferentiated—Alluvial deposits of the late Pleistocene Red River filling a characteristically oversized meander belt cut into underlying strata of the Upper Prairie Allogroup on the west side of the valley north of Mooringsport.
- 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.
- TERTIARY SYSTEM**
- PLIOCENE**
- UPLAND ALLOGROUP**
- Pi** Willis Formation, undifferentiated—Deeply dissected alluvial sediments deposited by Pliocene streams in west-central and northwestern Louisiana. The unit is unconformably underlain by Tertiary formations of Miocene to Eocene age, and is bounded down-dip by the Lesite surface.
- PALEO-EOCENE**
- WILCOX GROUP**
- PEw** Wilcox Group, undifferentiated—Grayish very fine to fine sand, typically clayey, rarely with sparse granules, in places with silty or silty clay interstratifications and/or channel cuts. Typically of gray or light gray coloration with yellow-brown to red mottles in places, ranging to very pale brown with dark yellowish brown mottles; includes gray weathering to strong brown, pale yellow weathering to olive yellow, and pale brown weathering to dark yellowish brown hues. In places contains carbonaceous beds, petrified wood, and ironstone, with ironstone concretions up to 25 cm in diameter. A reddish or grayish to brownish weathering mantle up to 2 m thick is developed locally.
- PALEOCENE**
- MIDWAY GROUP**
- Pm** Midway Group, undifferentiated—Laminated fissile silty clay and clayey silt, of dark gray coloration weathered to brown. A whitish reworked leached kaolinitic clay is localized along its upper contact with the overlying Wilcox Group in places (Durham and Smith, 1958), such as in an area southwest of Mooringsport and directly east of Walnut Bayou where clay of the Midway is mined for brick production.
- Open Water, Inundated area, swamp**
- Fault, Inferred**—Identity and existence inferred, location accurate. Ball and bar on downthrown block. Faults in Caddo Parish mapped by Smith (1970) are shown dashed in this compilation because those in two 7.5-minute quadrangles in the southwestern portion of the map area could not be corroborated with specific indications of faulting in the accompanying investigation of surface geology at 1:24,000 scale (McCulloch and Heinrich, 2006a and 2006b).
- Fault, Inferred, Concealed**—Identity and existence certain, location concealed. Ball and bar on downthrown block.
- Contact**—includes inferred contacts.
- Streams**
- Topographic Contours**

Sources:

Durham, C. O., Jr., and C. R. Smith, 1958, Louisiana Midway-Wilcox correlation problems: Louisiana Department of Conservation, Louisiana Geological Survey, Geological Pamphlet no. 5, 17 p.

Albertson, P. E., and J. B. Dunbar, 1993, Geomorphic investigation of Shreveport to Dingerfield Navigation Project: U.S. Army Corps of Engineers Waterway Experiment Station, Vicksburg, Mississippi, Technical Report no. GL-93-31, 148p.

Smith, C. R. (1970). (Geologic Map of Caddo Parish, Louisiana): Unpublished map, Louisiana Geological Survey, Baton Rouge, Louisiana, scale 1:62,500.

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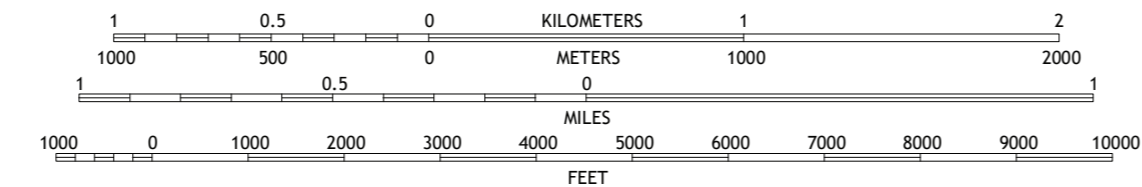
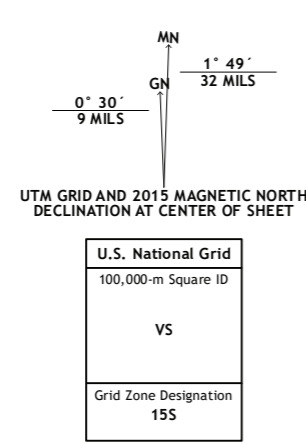
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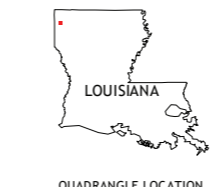
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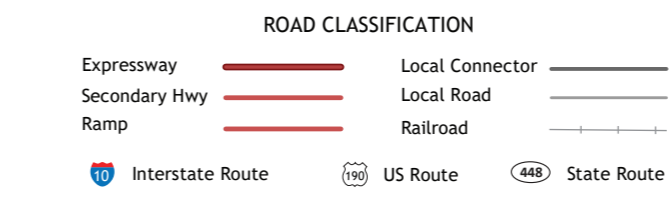
SCALE 1:24,000  
CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN DATUM OF 1983 (NAD 83)  
WORLD GEODETIC SYSTEM 1984 (WGS 84)  
UNIVERSAL TRANSVERSE MERCATOR PROJECTION, ZONE 15  
NORTH AMERICAN VERTICAL DATUM OF 1988



QUADRANGLE LOCATION

1	2	3
4	5	6
7	8	

ADJOINING QUADRANGLES



- 1 Trees
- 2 Vivian South
- 3 Gilliam
- 4 Porters Point
- 5 Dixie
- 6 Lake
- 7 Blanchard
- 8 North Highlands

Base Map.....	United States Geological Survey, 2020
Boundaries.....	LaDOTD, 2007
Contours.....	National Elevation Dataset, 2008 - 2011
Hydrography.....	National Hydrography Dataset, 2002 - 2011
Names.....	GNIS, 1980 - 2017
Roads.....	U.S. Census Bureau, 2017
Wetlands.....	FWS National Wetlands Inventory 2021

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Geology of the Mooringsport 7.5 Minute Quadrangle  
Caddo Parish, Louisiana