

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.
- PLEISTOCENE**
- PRAIRIE ALLOGROUP**
- Ppl** Upper Prairie Allogroup—Younger and topographically lower of Prairie Allogroup temporal phases, consisting of alluvial deposits of ancestral late Pleistocene streams. The deposits geomorphically form a very flat and poorly drained alluvial terrace. Grayish-white to reddish-white and light red very fine to medium sand to silt, with clay, to sandy mud, in places including beds of gravelly sand and sandy gravel of chert and vein quartz. Weathers to yellow, orange, and/or brownish-tan hues.
- INTERMEDIATE ALLOGROUP**
- 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**
- OLIGOCENE**
- OMc** Catahoula Formation—texturally heterogeneous suite of generally poorly sorted sediments comprising primarily silt/siltstone to very fine quartzose sand/sandstone, with and without admixtures of clay. Overall or predominant grain size of sand/sandstone tends to average very fine to fine sand. Coarser grains may comprise quartz, chert, and/or mud clasts. Contains petrified wood and tuffaceous sandstone locally. Weathers locally to produce a thick (up to 2 meters) gray/tan loamy surface unit. Characteristics of the surface Catahoula accord generally with continental, fluvial-dominated deposition (Fisk, 1940; Hinds, 1999), with the large proportion of silt observed in places suggestive of the onset of transition to deltaic facies (McCulloh and Heinrich, 2002). Recent work indicates a palynological age of early late Miocene for the Catahoula in its type area in eastern north Louisiana (Wynn et al., 2003), in contrast to the Oligocene age suggested by subsurface-to-surface correlation in the Texas Gulf Coast (Galloway, 1977; Galloway et al., 1982).
 - Ov** Vicksburg Group, undifferentiated—grayish, clayey very fine sand to fine sandy clay, with red mottles in places. Mottled sediment is typically a dark gray to dark reddish brown to chocolate brown, thinly laminated silty clay. Petrified wood occurs locally. Divisible into two members of formation rank in Sabine Parish—the Sandel and Nash Creek formations—plus a third in Natchitoches Parish, the overlying Rosefield Formation (Andersen, 1960, 1993). The lowermost formation, the Sandel, comprises sand with interbedded conglomerate containing cobbles and slabs of carbonaceous bentonitic clay like that of the overlying Nash Creek. Based on the investigation of Rulke and Cochr (1939), Andersen (1993) portrayed the Rosefield as comprising lenses of marly clay that form a narrow tongue extending into Natchitoches Parish from the east and pinching out westward.
- Open Water, Inundated Area, Wetland**
- Contact**—includes inferred contacts.
- Streams**
- Topographic Contours**

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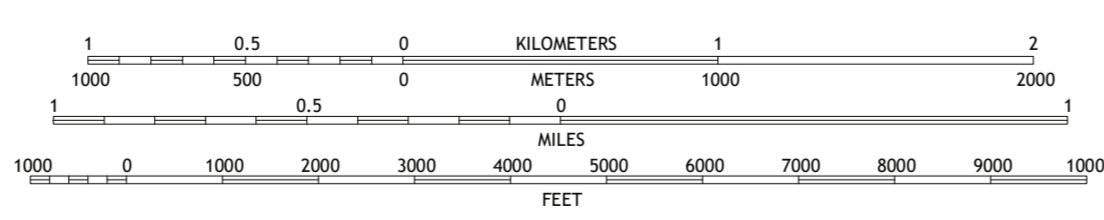
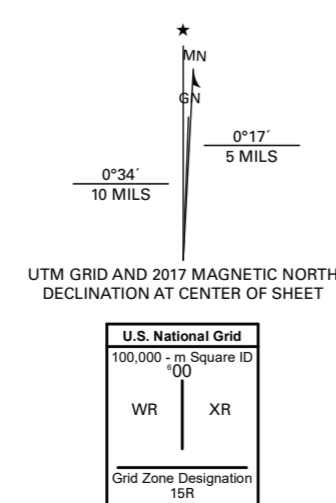
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SCALE 1:24,000

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 20 Feet
 North American Vertical Datum 1988



QUADRANGLE LOCATION

1	2	3
4	5	6
7	8	

ADJOINING QUADRANGLES

- 1 Holm
- 2 Enterprise
- 3 Extension
- 4 Nicket
- 5 Harrisonburg
- 6 Jena East
- 7 Manifest
- 8 Jonesville North

ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route

Base Map	United States Geological Survey, 2020
BoundariesLaDOTD, 2007
ContoursNational Elevation Dataset, 2008 - 2011
HydrographyNational Hydrography Dataset, 2002 - 2017
NamesGNIS, 1980 - 2017
RoadsU.S. Census Bureau, 2017
WetlandsFWS National Wetlands Inventory 2021

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 survey and analysis of a specific site may differ from these maps.

**Geologic Map of the Aimwell 7.5 minute quadrangle
 Catahoula Parish, Louisiana**