

Description of Map Units

QUATERNARY SYSTEM

HOLOCENE

- Hua** **Holocene undifferentiated alluvium**—Undifferentiated deposits of small upland streams; unconsolidated alluvial deposits of minor streams and creeks filling valleys incised into older deposits, with textures varying from gravely sand to sandy mud.
- Hsm** **Small river meander-belt deposits**—point bar deposits underlying the meander belts of small rivers.
- Hsl** **Small river natural levee deposits**—deposits forming low natural levees flanking the meander belts of small rivers.
- Hb** **Backswamp deposits**—fine-grained Holocene deposits of rivers, underlying the flood basins between meander belts.
- Hom** **Ouachita River meander deposits**—point bar deposits underlying meander belts of the Ouachita River.
- Hol** **Ouachita River natural levee deposits**—deposits forming low natural levees flanking the meander belts of the Ouachita River. Where observed in the Monroe area the sediments comprise grayish brown silty clay with well developed soil structure.
- Hod** **Ouachita River distributary deposits**—sandy and silty sediments occupying abandoned courses of a relict distributary system of the Ouachita River. In the Monroe area the sediments comprise yellowish to orangish brown silty very fine sand with varying though relatively small proportions of admixed clay.
- Hocs** **Ouachita River crevasse splay deposits**—sandy and silty sediments forming fanlike crevasse splays that originate from the Ouachita River. Where observed in the Monroe area the sediments comprise interlaminated gray-brown silt and organic-rich, dark clayey silt.
- Harm** **Arkansas River meander-belt deposits**—point bar deposits underlying meander belts of the Arkansas River.
- Harl** **Arkansas River natural levee deposits**—deposits forming low natural levees flanking the meander belts of the Arkansas River.
- Hard** **Arkansas River distributary deposits**—sandy and silty sediments occupying abandoned courses of a relict distributary system of the Arkansas River.

QUATERNARY UNDIFFERENTIATED

- Qc** **Quaternary colluvium**—undifferentiated colluvial deposits forming lobate to apronlike landforms.
- Qaf** **Quaternary alluvial-fan deposits**—unnamed alluvial-fan deposits.

PLEISTOCENE

- Pc** **Peoria Loess**—Eolian silt veneer of late Wisconsin age mantling Pleistocene and older strata. Loess is shown where the total thickness is 1 meter or greater.
- Si** **Sicily Island Loess**—Eolian silt veneer, possibly of late Sangamon to early Wisconsin age, mantling Pleistocene and older strata. Loess is shown where the total thickness is 1 meter or greater.

PRAIRIE ALLOGROUP

- Pp** **Prairie Allogroup, undifferentiated**—a diverse depositional sequence of late to middle Pleistocene deposits of the Mississippi River, its tributaries, and coastal plain streams; includes terraced fluvial (meander belt, backswamp, and braided stream), colluvial, estuarine, deltaic, and marine units deposited over a considerable interval (Wisconsin to Sangamon) of the late Pleistocene. Multiple levels are recognized along alluvial valleys and coast-parallel trends, and are grouped into two principal temporal phases. The allogroup is undifferentiated where local fluvial terrace remnants flank the more headward portions of stream bottoms.

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

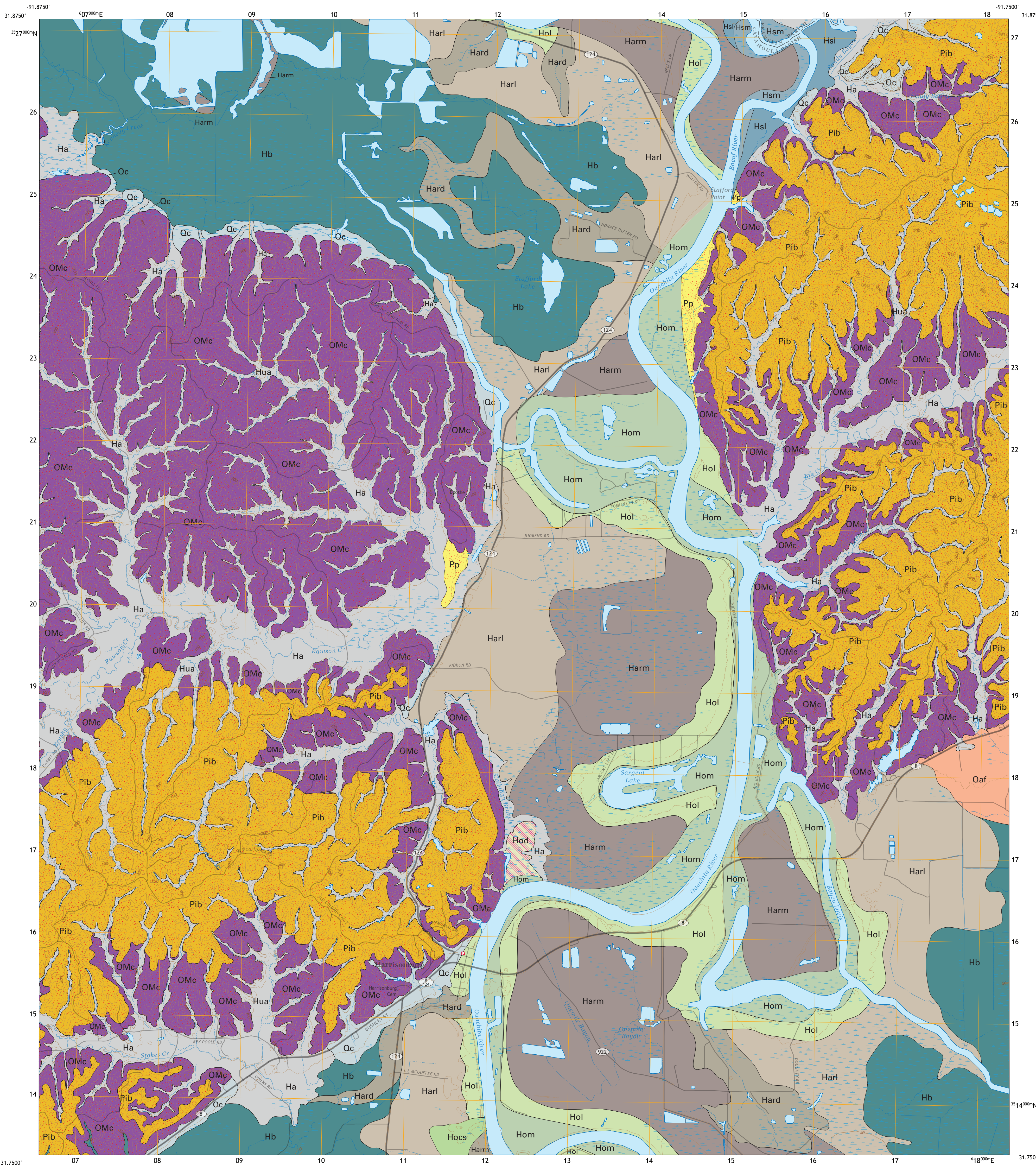
MIOCENE-OLIGOCENE

- 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. Coarser 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 (Wrenn 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).

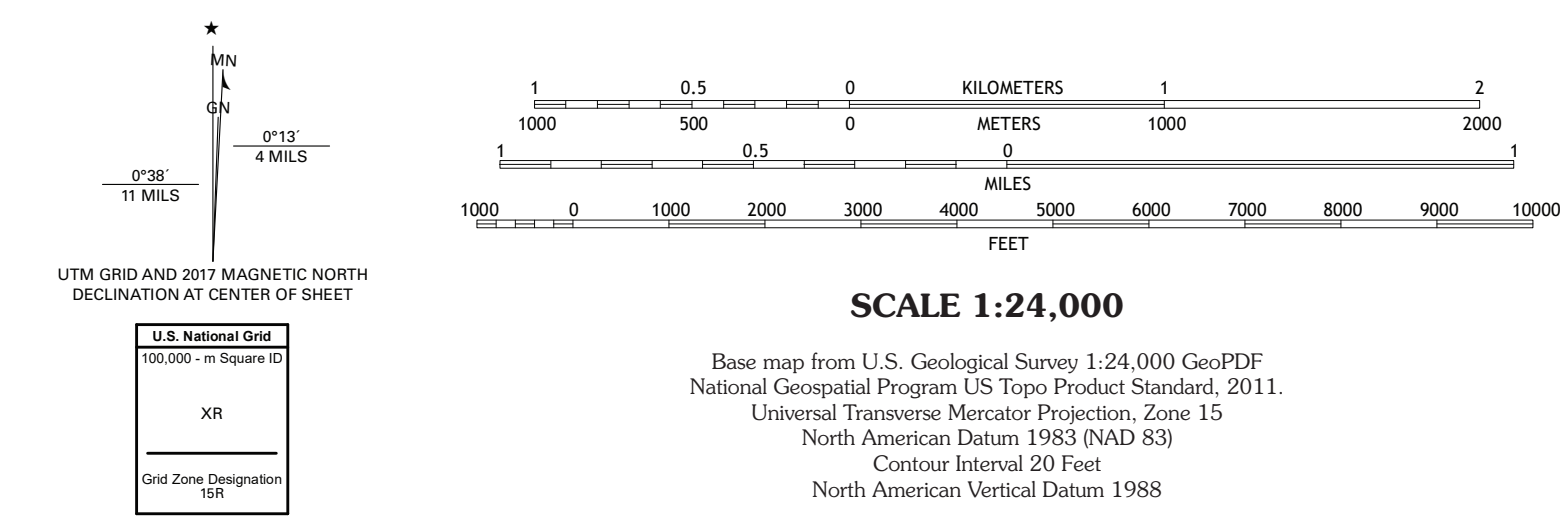
- Open Water, Inundated Area, Wetland**
- Contact**—includes inferred contacts.
- Streams**
- Topographic Contours**

References:
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 Galloway, W. E., 1977, Catahoula Formation of the Texas coastal plain: depositional systems, composition, structural development, ground-water flow history, and uranium distribution: The University of Texas at Austin, Bureau of Economic Geology, Report of Investigations no. 87, 59 p.
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 Rittenour, T. M., M. D. Blum, and R. J. Goble, 2007, Fluvial evolution of the lower Mississippi River valley during the last 100 k.y. glacial cycle: response to glaciation and sea-level change: Geological Society of America Bulletin, v. 119, no. 5-6, p. 586-608.
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 Geology: Richard P. McCulloh and Paul Heinrich
 GIS compilation: R. Hampton Peele and Anuradha Eragani
 Revision GIS/Cartography: Robert L. Paulsell



1	2	3	1 Enterprise
4	5	6	2 Extension
7	8		3 Wisner
			4 Atinwell
			5 Sicily Island
			6 Manfrest
			7 Joeville North
			8 Dunbarton

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	W/D
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

Geologic Map of the Harrisonburg 7.5 minute quadrangle
 Catahoula Parish, Louisiana