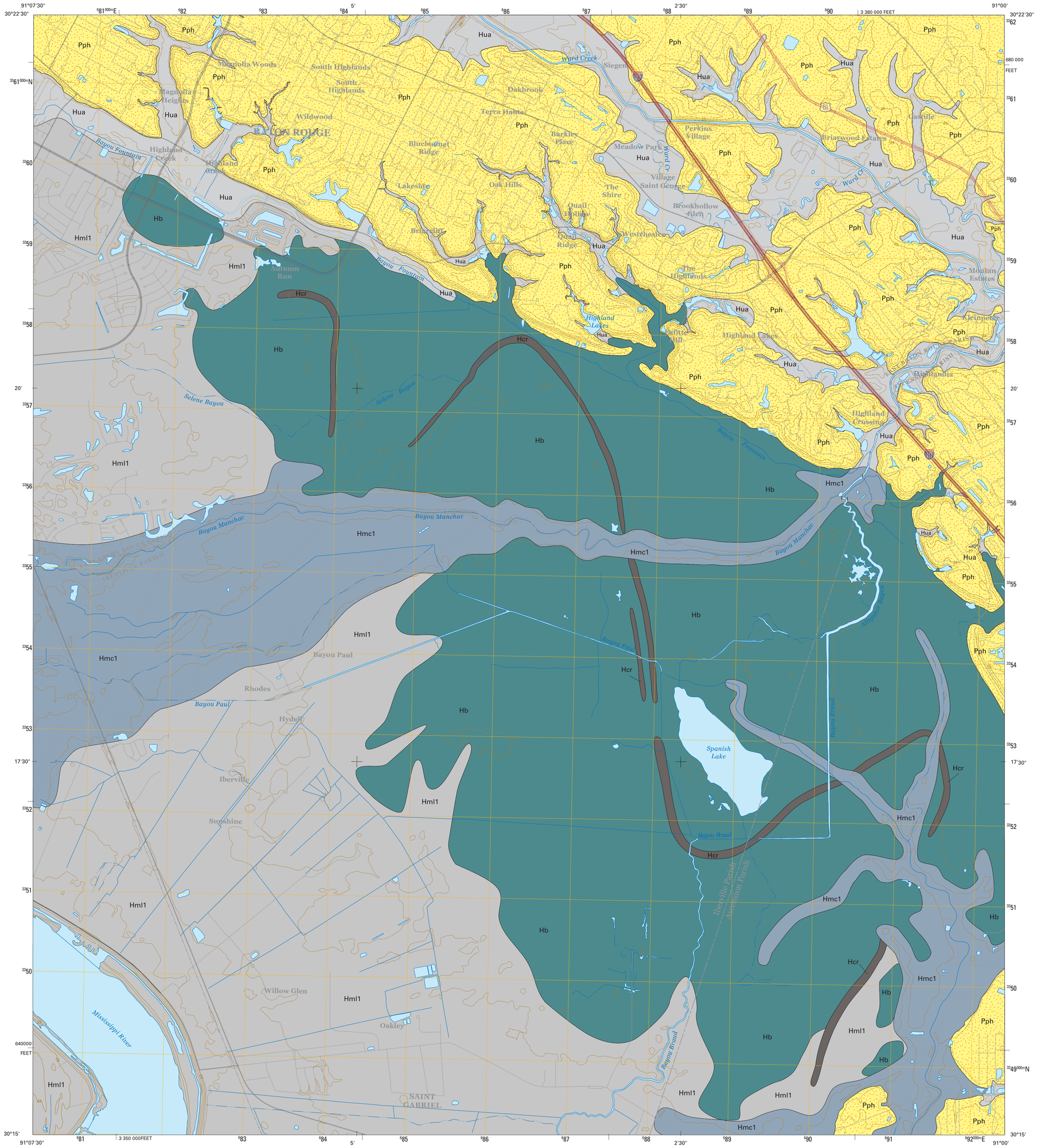


Description of Map Units

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 gravelly sand to sandy mud.

Hb — **Backswamp deposits—**Fine-grained Holocene deposits of the Mississippi River, underlying the flood basins flanking Mississippi River meander belt 1.

Hcr — **River channel remnants—**Sinuous tonal patterns interpreted to be abandoned river channels, buried beneath backswamp and natural levee deposits.

Hmc1 — **Crevasse complex of Mississippi River meander belt 1—**Silty to sandy crevasse channel and splay deposits of Mississippi River meander belt 1.

Hml1 — **Natural levee complex of Mississippi River meander belt 1—**Silty to sandy overbank deposits that compose the low natural levees flanking Mississippi River meander belt 1.

PLEISTOCENE

LOESS—Eolian silt veneer of late Wisconsin age (Peoria Loess) mantling Pleistocene and older strata. Loess is 2–4 m thick in Saint Gabriel quadrangle (Miller, 1983) and consists of gray to brown clayey silt to silty clay, in places with rootlets, organic matter, calcareous and/or iron-oxide stains and/or nodules, light gray to dark brown mottles, and some very fine to fine sand.

PRAIRIE ALLOGROUP

Pph — **Hammond alloformation—**deposits of middle to late Wisconsin Coastal Plain streams, blanketed by Peoria Loess, in the Florida Parishes of southeastern Louisiana. Includes floodplain deposits of the late Pleistocene Mississippi River, exposed in the eastern valley wall of the modern Mississippi River alluvial valley, originally defined as the Mt. Pleasant Bluff Alloformation by Autin et al. (1988). In the Saint Gabriel quadrangle it consists of grayish sandy clay to clayey very fine to fine sand.

Open Water

Contact—includes inferred contacts.

Roads/US Routes/Interstate

Railroads

Streams

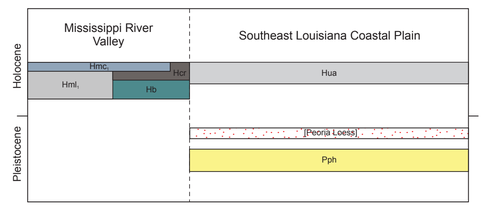
Topographic Contours

References:

Autin, W. J., A. T. Davison, B. J. Miller, W. J. Day, and B. A. Schumacher, 1988, Exposure of late Pleistocene meander-belt facies at Mt. Pleasant, Louisiana: Gulf Coast Association of Geological Societies Transactions, v. 38, p. 375–383.

Miller, B. J. (compiler), [1983], [Distribution and thickness of loess in Baton Rouge, Louisiana 1 x 2 degree quadrangle]: Louisiana State University Department of Agronomy, Louisiana Agricultural Center, Louisiana Agricultural Experiment Station, Baton Rouge, unpublished map, Louisiana Geological Survey, scale 1:250,000.

Correlation of Map Units



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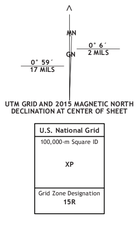
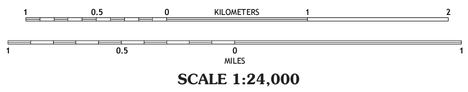
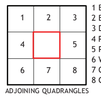




SCALE 1:24,000

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 5 Feet
National Geodetic Vertical Datum 1988

QUADRANGLE LOCATION



ADJOINING QUADRANGLES

1 Baton Rouge West
2 Baton Rouge East
3 Denham Springs
4 Plaquemine
5 Prairieville
6 White Castle
7 Carville
8 Gonzales

St. Gabriel 7.5 Minute Geologic Quadrangle
2018

Louisiana Geological Survey
Earth Science Serving Louisiana
1934

Chip Groat
Director & State Geologist