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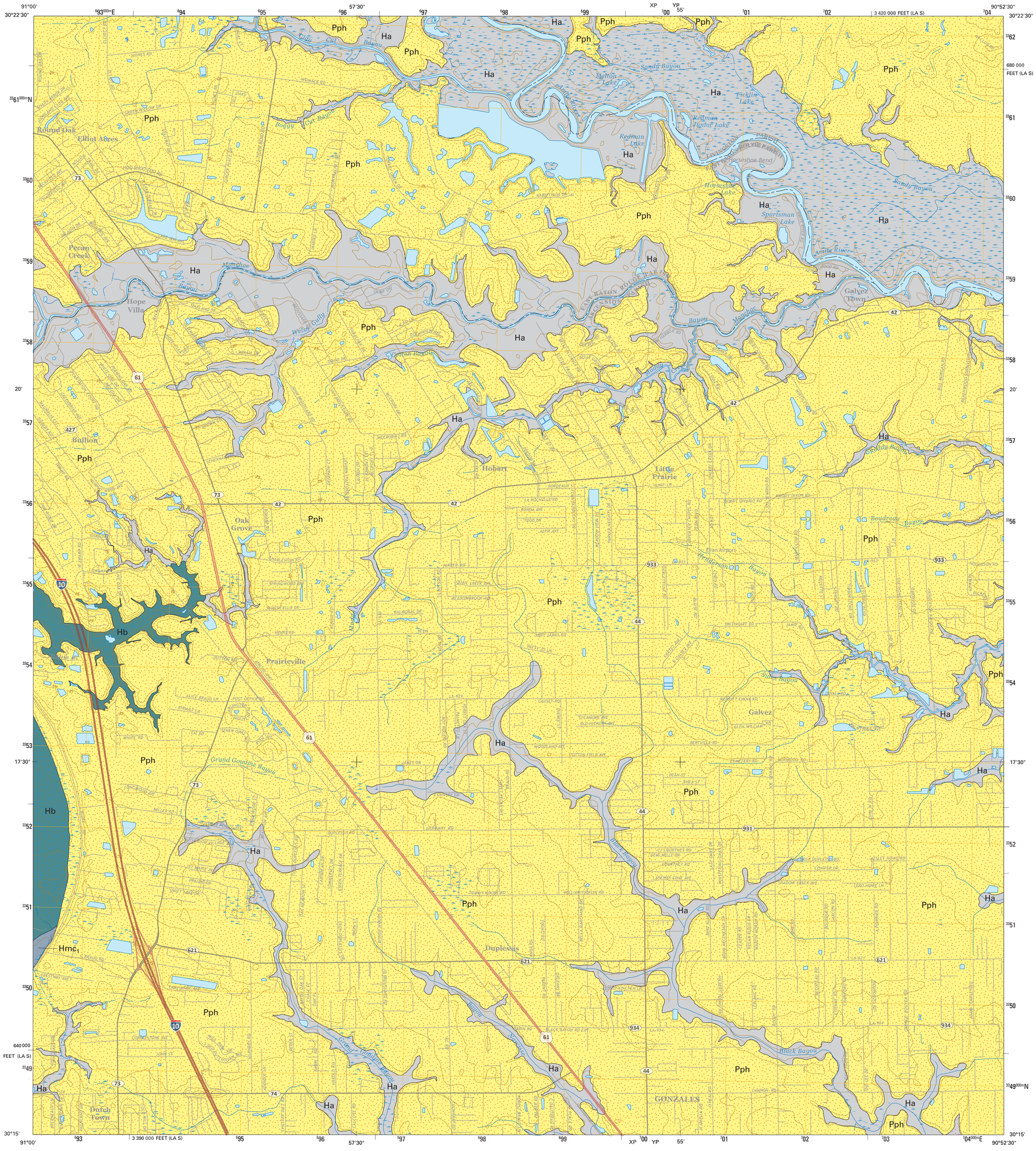
The National Map US Topo

PRAIRIEVILLE QUADRANGLE
LOUISIANA-7.5 MINUTE SERIES



Description of Map Units

QUATERNARY SYSTEM

HOLOCENE

Ha

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.

Hmc1

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

PLEISTOCENE

LOESS—Eolian silt veneer of late Wisconsin age (Peoria Loess) mantling Pleistocene and older strata. Loess is 1–3 m thick in Prairieville 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 Prairieville quadrangle it consists of grayish sandy clay to clayey very fine to fine sand.

Open Water, Inundated Area, Wetland

Contact—includes inferred contacts.

Streams

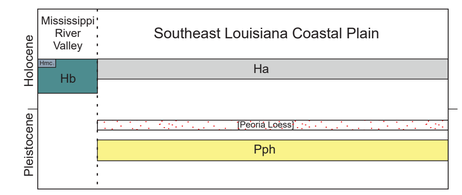
Topographic Contours

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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UTM GRID AND 2015 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
XP YP
Grid Zone Designation
15R

1 0 1 2 KILOMETERS

1000 500 0 1000 2000 METERS

1 0.5 0 1 MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

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

ADJOINING QUADRANGLES

1 Baton Rouge East
2 Denham Springs
3 Walker
4 Saint Gabriel
5 French Settlement
6 Carville
7 Gonzales
8 Sorrento

QUADRANGLE LOCATION

ROAD CLASSIFICATION

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

Geologic Map of the Prairieville 7.5 minute quadrangle Ascension, E. Baton Rouge, and Livingston Parishes, Louisiana

This research is supported by the U. S. Geological Survey, National Cooperative Geologic Mapping Program. The views and conclusions contained in this document are those of the authors and should not be 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 Survey and Louisiana State University do not assume responsibility or liability for any reliance thereon. This information is provided with the understanding that it is not guaranteed to be correct or complete, and 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.

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