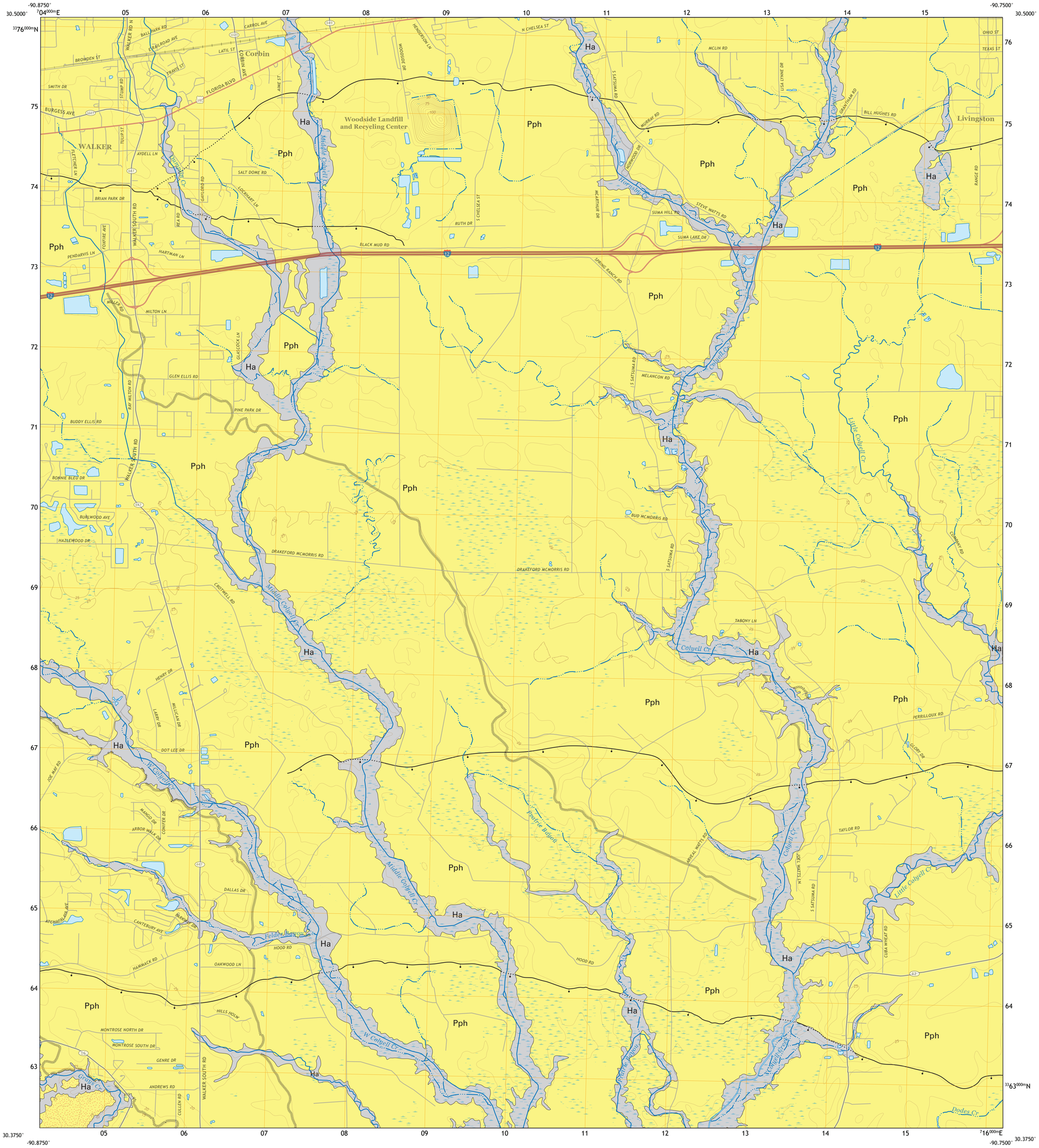
USGS science for a changing world

LSU Louisiana Geological Survey

The National Map US Topo

WALKER 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.

PLEISTOCENE

LOESS—Eolian silt veneer of late Wisconsin age (Peoria Loess) mantling Pleistocene strata. Loess is less than 1 m thick over most of Walker quadrangle, but thickens to 1–3 m in a small area of its southwest corner (Miller, 1983). It 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 in the Florida Parishes of southeastern Louisiana. In Walker quadrangle it consists of clayey fine to very fine sand, grayish with yellowish-brownish mottles, and is covered by less than 1 m of loess in most places except in a small area of the southwest corner.

Open Water, Inundated Area, Swamp

Normal Fault—Ball and bar on downthrown side.

Concealed Fault—Identity and existence certain, location concealed. Ball and bar on downthrown side.

Escarpments—Marks the valley walls of late Pleistocene paleovalleys within the Hammond alloformation.

Streams

Contact—includes inferred contacts.

Topographic Contours

Reference:

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Department of Agronomy, Louisiana Agricultural Center, Louisiana Agricultural Experiment Station, Baton Rouge, unpublished map, Louisiana Geological Survey, scale 1:250,000.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

	Southeast Louisiana Coastal Plain
Holocene	Ha
Pleistocene	Peoria Loess
	Pph

Produced and published by the Louisiana Geological Survey
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This geologic map was funded in part by the USGS National Cooperative Geologic Mapping Program under STATEMAP award number G19AC00223, 2019.

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MN 0° 4' — GN 1° 6'
1 MILS = 20 MILS
UTM GRID AND 2015 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
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

1 Watson
2 Satsuma
3 Holden
4 Denham Springs
5 Frost
6 Prairieville
7 French Settlement
8 Whitehall
ADJOINING QUADRANGLES

LOUISIANA
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	Railroad

12 Interstate Route · 190 US Route · 448 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

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.

Geologic Map of the Walker 7.5 minute quadrangle
Livingston Parish, Louisiana