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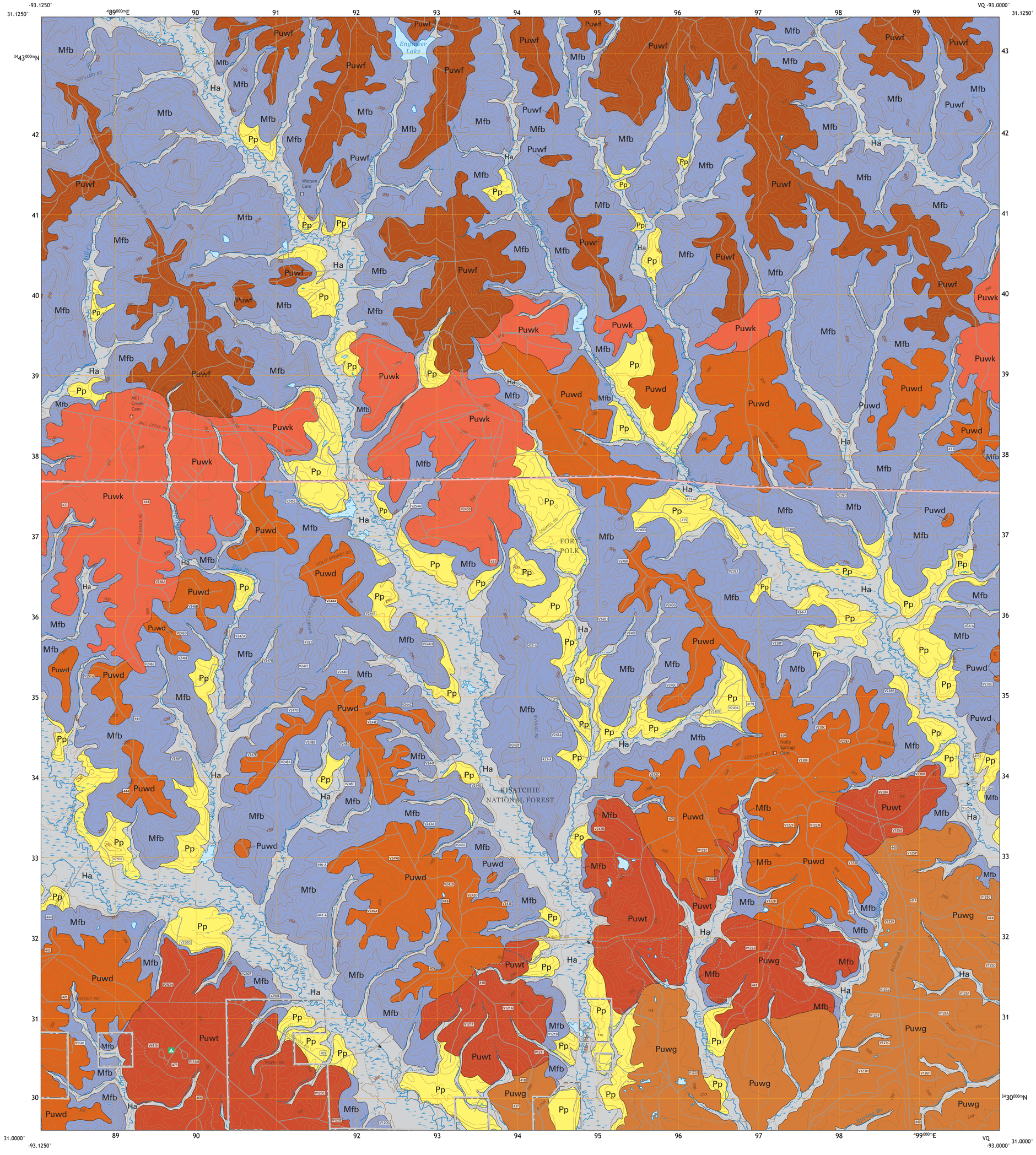
The National Map US Topo

BIRDS CREEK QUADRANGLE
LOUISIANA 7.5-MINUTE SERIES



Description of Map Units

QUATERNARY SYSTEM

HOLOCENE

Ha — **Alluvium**—Undifferentiated deposits of small upland streams: alluvial deposits of minor streams and creeks of varying textures, filling valleys incised into older deposits.

PLEISTOCENE

PRAIRIE ALLOGROUP

Pp — **Prairie Allogroup, undifferentiated**—diverse depositional sequence of 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 during the Wisconsin to Sangamon interval of the late Pleistocene. Multiple levels along alluvial valleys and coast-parallel trends are grouped into two principal temporal phases. The Prairie Allogroup is undifferentiated where fluvial terrace remnants flank headward portions of stream courses.

TERTIARY SYSTEM

PLIOCENE

UPLAND ALLOGROUP

Puc — **Citronelle Formation**—alluvial sediments deposited by Pliocene streams in the Florida Parishes of southeastern Louisiana, blanketed by Peoria and\or Sicily Island Loess. Unconformably underlain by undifferentiated Miocene Fleming Group strata mapped in southern Mississippi as Pascagoula and Hattiesburg formations (Bicker, 1969), intermittent exposures of which comprise streambed pavements and steep stream cutbanks that are too narrow to map at 1:100,000 scale.

Puw — **Willis Formation, undifferentiated**—deeply dissected alluvial sediments deposited by Pliocene streams in west-central Louisiana. The unit is unconformably underlain by Tertiary formations of Miocene to Eocene age, and is bounded downdip by the Lissie surface.

Puwg — **Gravel Hill allomember, Willis Formation**—younger of highly weathered, gravelly fluvial sands belonging to the Willis Formation. These fluvial sediments underlie the topographically lowest of five deeply dissected geomorphic surfaces associated with the Willis Formation.

Puwt — **Tower Road allomember, Willis Formation**—highly weathered, gravelly fluvial sands. These sediments underlie a deeply dissected terrace surface topographically higher than the terrace surface of the Gravel Hill allomember and topographically lower than the terrace surface of the Dugout Road allomember.

Puwd — **Dugout Road allomember, Willis Formation**—highly weathered, fluvial sands. These sediments underlie a deeply dissected terrace surface topographically higher than the terrace surface of the Tower Road allomember and topographically lower than the terrace surface of the Kisatchie allomember.

Puwk — **Kisatchie allomember, Willis Formation**—highly weathered, fluvial sands. These sediments underlie a deeply dissected terrace surface topographically higher than the terrace surface of the Tower Road allomember and topographically lower than the terrace surface of the Kisatchie allomember.

Puwf — **Fort Polk allomember, Willis Formation**—oldest of highly weathered, fluvial sands belonging to the Willis Formation. These fluvial deposits underlie the topographically highest of five deeply dissected terraces associated with the Willis Formation.

MIOCENE

Mfb — **Blounts Creek Formation, Fleming Group**—a relatively nondescript series of grayish clayey and silty very fine to fine sands, silty and very fine to fine sandy clays, and clayey silts. The principal sedimentary structures comprise rare lamination and low-angle cross lamination. Characteristics of the surface Blounts Creek accord generally with fluvial deposition interpreted as characteristic of an upper deltaic plain setting.

Open Water, Inundated Area, Swamp

Contact—includes inferred contacts.

Streams

Topographic Contours

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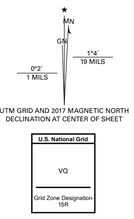

UTM GRID AND 2017 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
VQ
Grid Zone Designation 15R

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 MILES 1
1000 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

SCALE 1:24,000
CONTOUR INTERVAL 10 FEET
NORTH AMERICAN DATUM OF 1983 (NAD 83)
WORLD GEODETIC SYSTEM 1984 (WGS 84)
UNIVERSAL TRANSVERSE MERCATOR PROJECTION, ZONE 15
NORTH AMERICAN VERTICAL DATUM OF 1988

1	2	3
4		5
6	7	8

1 Slagle
2 Simpson South
3 Lacamp
4 Fort Polk
4 Fullerton Lake
6 Hurricane Branch
7 Sugrue
8 Pitkin

ADJOINING QUADRANGLES

QUADRANGLE LOCATION

ROAD CLASSIFICATION

Expressway — Local Connector
Ramp — 4WD
Interstate Route (49) — US Route (190) — State Route (61)
FS Primary Route (45) — FS Passenger Route (V123H) — FS High Clearance Route

Geologic Map of the Birds Creek 7.5 Minute Quadrangle, Vernon Parish, Louisiana

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

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