

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 1–3 m thick in Duson 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

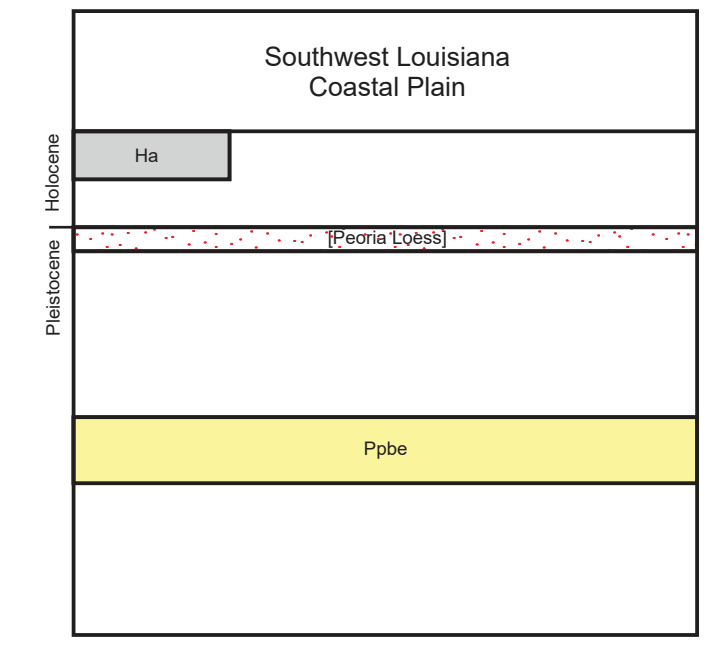
Ppbe—Beaumont Alloformation—Coastal-plain deposits of late to middle Pleistocene streams, forming the oldest and topographically highest of the Prairie surfaces of southwestern Louisiana. Gray, tan, brown, and red clay, silt, and sand, in places with Fe nodules (6–2 mm). Subsurface data indicate that in its upper 80+ m the unit in places shows a transition from fining-upward gravel, overlain by coarse sand and gravel, to fining-upward sand (coarse to fine) and clay at the surface. In areas to the north and west of the study area the surface exhibits relict channels of the Red, Mermentau, and Calcasieu Rivers, and the unit includes deposits of the Ingleside barrier trend (Houston Ridge).

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

References:

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Department of Agronomy, Louisiana Agricultural Center, Louisiana Agricultural Experiment Station, Baton Rouge, unpublished map, Louisiana Geological Survey, scale 1:250,000.

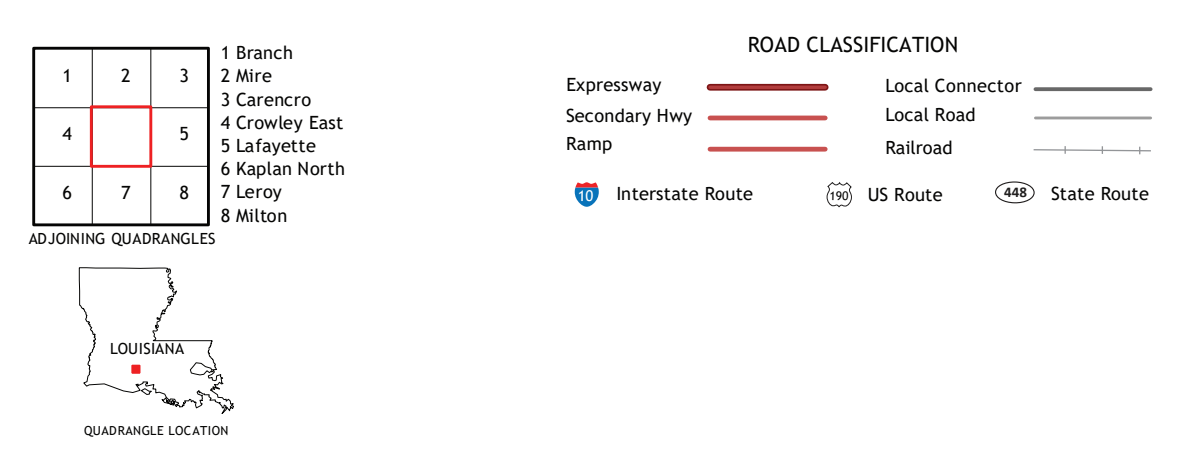
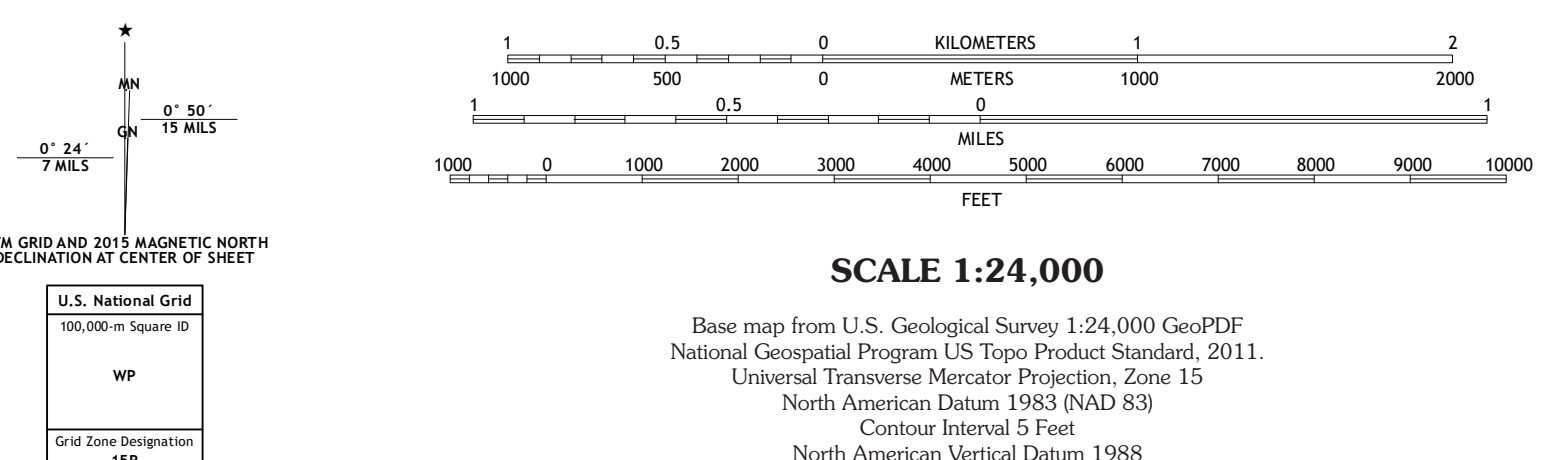
Correlation of Map Units



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**Geology of the Duson 7.5 Minute Geologic Quadrangle
 Acadia, Lafayette, and Vermillion Parishes, 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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