



RAPIDES QUADRANGLE LOUISIANA 7.5-MINUTE SERIES

Description of Map Units QUATERNARY SYSTEM

HOLOCENE

- Holocene undifferentiated alluvium-Undifferentiated deposits of small upland streams: alluvial deposits of minor streams and creeks of varying textures, filling valleys incised into older deposits.
- **Backswamp deposits**—Fine-grained Holocene deposits of rivers, underlying the flood basins between meander belts.
- **Red River point bar deposits**—Point bar deposits underlying meander belts of the Red River. (This map depicts a union of Hrm1 through Hrm8)
- **Red River natural levee deposits**—deposits forming low natural levees flanking the meander belts of the Red River.
- **Red River distributary deposits**—silty to clayey, reddish brown sediments that form the narrow natural levees of distributaries that extend from Red River meander belts into the adjacent backswamps.

Red River channel remnants—sinuous tonal patterns interpreted to be abandoned Red River channels, buried beneath backswamp deposits.

PLEISTOCENE



- Montgomery alloformation—meander belt deposits of the Red River in central Louisiana. The unit is blanketed by yellow loam, incises the Bentley alloformation and older units, and is incised by Prairie Allogroup and Holocene units.
- Lissie Alloformation, undifferentiated—dissected alluvial deposits of early Pleistocene streams. The unit is bounded updip by the Willis surface and downdip by younger subunits of the Intermediate allogroup.

TERTIARY SYSTEM

MIOCENE

- Williamson Creek Formation—very fine to very coarse sand, averaging very fine to medium overall, with overall poor sorting. Overall grain size appears coarser than in other Fleming subunits, with sands containing much more of the coarser size fractions and a larger proportion of quartz granules in places. Granules are extremely abundant locally and consist almost exclusively of quartz, in places comprising sandy granule conglomerate. Internal features include medium-scale trough cross beds in coarser, granule-rich sand and sandy granule conglomerate, with bedding sets fining upward in places
- Open Water, Inundated Area, Swamp **Contact**—includes inferred contacts. Streams **Topographic Contours**



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