

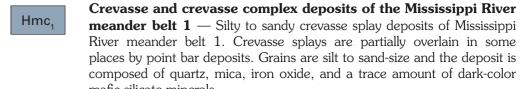
# Geology of the Convent 7.5 Minute Quadrangle, St. James and Ascension Parishes, Louisiana, 2023

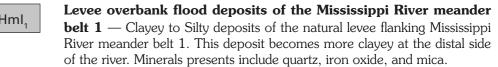
#### **Description of Map Units**

## QUATERNARY SYSTEM

#### HOLOCENE

Mississippi River point bar deposits belt 1 — Point bar deposits of Mississippi River meander belt 1, buried by a thin layer of overbank sediments. Sand-size grains and deposit is composed of quartz, mica, iron oxide, and a trace of dark-colored mafic silicate minerals.





**Coastal Swamp** — Mud deposit in paralic setting of seasonally fluctuating fresh and brackish surface water. Dark steel gray, black, and brown-black organic-rich mud with less than 0.1% silt fraction.

#### PLEISTOCENE

Pph

**Hammond alloformation** — Rust-yellow, rust-orange, and reddish-brown silty and fine sandy mud. Depositional structures (laminations) and half-centimeter scale Skolithos ichnofossils are diagnostic. Clay vs. silt and fine sand fraction vary with location, the latter dominated by quartz with feldspar and light and dark

# Open Water, Inundated Area, Wetland

Streams

**Contact**s

### **Topographic Contours**

### References:

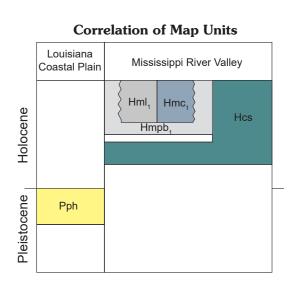
Arrick, C., Seely, F., Cameron, R., and Walker, A., 1892, Donaldsonville, Louisiana 15 minute topography quadrangle: United States Geological

Johnson, L. C., 1891, The Nita crevasse [Louisiana]: Bulletin of the Geological Society of America, v. 2, p. 20-25.

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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.

...U.S. Census Bureau, 2017

..FWS National Wetlands Inventory 2021

Roads..

Wetlands.