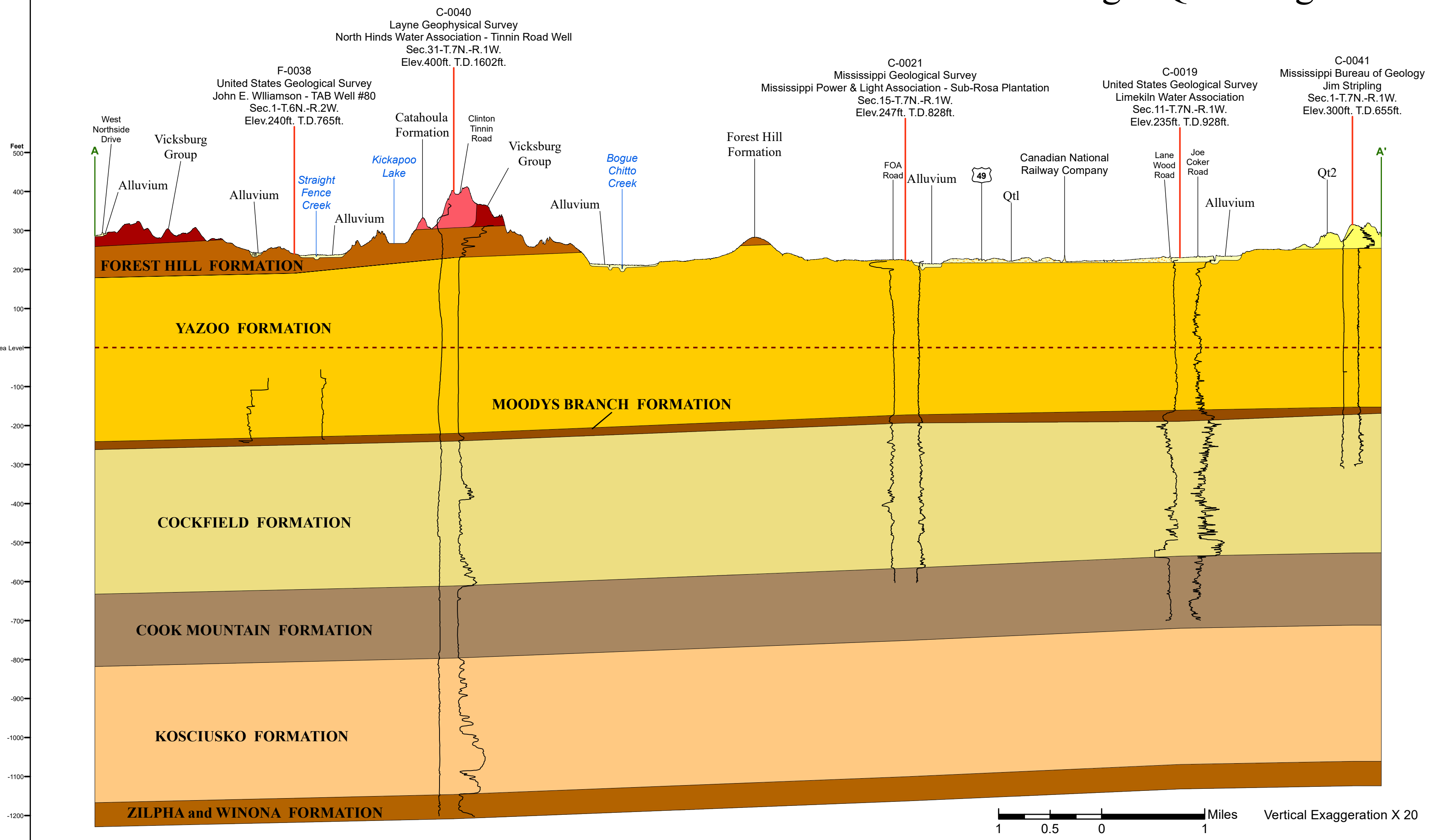



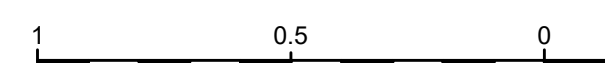
Clay, calcareous, montmorillonitic, and blue-green color unweathered, marine shell has common along partings, locally containing bentonite seams; weathers tan to yellow-brown with calcine common. Locally fossiliferous: containing beds of the oystershell *Trochammina trigonalis* and others remains the archoaeote whales *Archaeocetes kochii* and *Archaeocetes cetoides*. Selenite locally along joints where clay is framboidally pyritized. Limestone ledges. The Yazoo Clay reaches a variable thickness of approximately 420 feet. The best exposure of Yazoo Clay can be found at a clay pit in Sections 25 and 36 Township 7N Range 1W, near Cynthia, with limestones, fossiliferous and gypsiferous clays. Weathering at outcrop, the Yazoo Clay can pose a high-risk for slope stability, engineering, and construction projects due to its high shrink-swell potential.



Selenite growth from the weathering of framboidal marcasite in an outcrop of gypsiferous Yazoo Clay along a relic high wall at the Cynthia Clay Pit in Section 35 Township 7N, Range 1W. Photographed on March 2, 2021.

Reference Scale: 1:24,000





Contour Interval: 20 Feet

This geologic map was funded by the United States National Park Service, Geologic Resources Division. Geology field checked in 2020 and 2021 using LIDAR, Projection: Mercator Auxiliary Sphere; Datum: WGS 1984, Horizontal Units: Meter, contour interval 20 feet.

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Geologic maps are only a guide to current understanding and do not eliminate the need for detailed investigations of specific sites for specific purposes. The views and conclusions contained in this Open-File Report are those of the geologists and should not be interpreted as representing the official policies, either expressed or implied, of the State of Mississippi or of the United States Government.

MAP of the POCAHONTAS QUADRANGLE

2021

Geology by

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Adjoining 7.5' Quadrangles

Cook Perry	Flora	Charlton
Brownsville	Pocharontas	Ridgeland
Raymond	Clinton	Jackson

