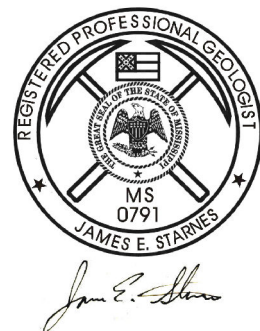


MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY
OFFICE OF GEOLOGY
OPEN-FILE REPORT 288

GEOLOGIC MAP of the THREE RIVERS QUADRANGLE Jackson County, Mississippi

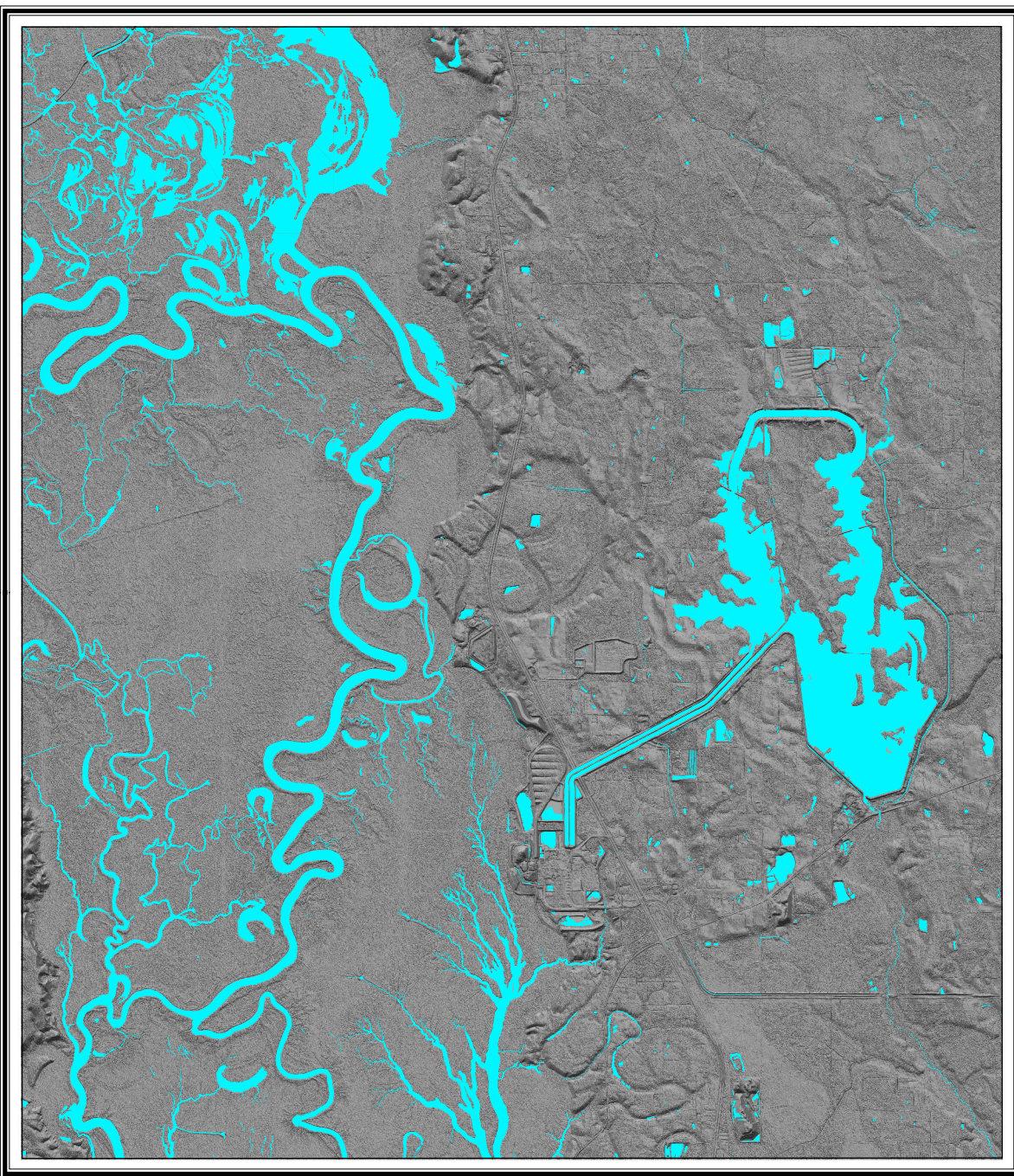


Geology by James E. Starnes, RPG
and Lindsey Stewart

2018

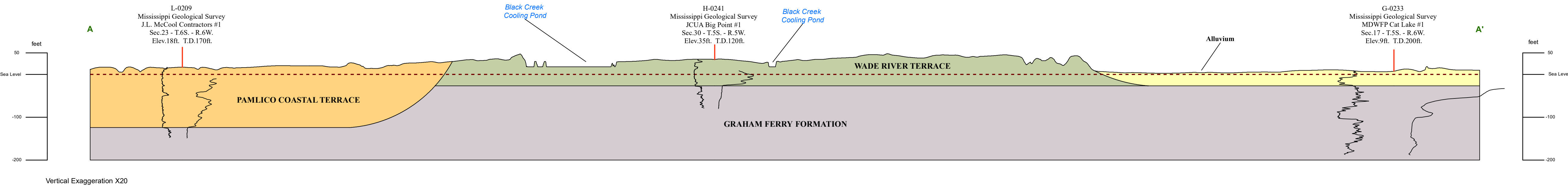
DESCRIPTION OF MAP UNITS

| | | |
|------------|--------|---|
| HOLOCENE | Qal | ALLUVIUM Flood plain sands, silts, gravels, and clays. |
| | Qtpr | PAMLICO COASTAL TERRACE Sand, orange to tan colored, fine- to coarse-grained, predominantly quartzose, cross-bedded to massive; graveliferous, pea-to cobble-size, predominantly leached to chalky brown, gray, and white-colored chert and milky quartz; clay, kaolinitic, pink to white, generally occurring as discontinuous lenses. Ferruginous sandstone and pyroclastic common in basal contact with the underlying Graham Ferry Formation. |
| | Qtbr | BIG RIDGE COASTAL TERRACE Sand, orange to tan colored, fine- to coarse-grained, predominantly quartzose, cross-bedded to massive; graveliferous, pea-to cobble-size, predominantly leached to chalky brown, gray, and white-colored chert and milky quartz; clay, kaolinitic, pink to white, generally occurring as discontinuous lenses. Ferruginous sandstone and pyroclastic common in basal contact with the underlying Graham Ferry Formation. |
| QUATERNARY | Qtwr | WADE RIVER TERRACE Sand, orange to tan colored, fine- to coarse-grained, predominantly quartzose, cross-bedded to massive; graveliferous, pea-to cobble-size, predominantly leached to chalky brown, gray, and white-colored chert and milky quartz; clay, kaolinitic, pink to white, generally occurring as discontinuous lenses. Ferruginous sandstone and pyroclastic common in basal contact with the underlying Graham Ferry Formation. |
| | Qtbrp | BIG POINT RIVER TERRACE Sand, orange to tan colored, fine- to coarse-grained, predominantly quartzose, cross-bedded to massive; graveliferous, pea-to cobble-size, predominantly leached to chalky brown, gray, and white-colored chert and milky quartz; clay, kaolinitic, pink to white, generally occurring as discontinuous lenses. Ferruginous sandstone and pyroclastic common in basal contact with the underlying Graham Ferry Formation. |
| TERTIARY | Tgf | GRAHAM FERRY FORMATION Sand, dark greenish-gray, yellow to tan, micaceous and glauconitic (exclusively in the fine-grained sands), fine- to coarse-grained, predominantly quartzose, cross-bedded to massive. Weathers to orange, purple, red, pink with reddish-brown colored pebbly ironstone residuum; Clay, green, gray, brown, weathers mottled purple to pink and white to reddish-brown, silty to fine-sandy, locally lignitic and contains pyrite nodules in places. |
| | H-0241 | Drill-hole locality and identification number |



Composite Bare Earth LIDAR 2015 VE X10 Hillshade of the Three Rivers Quadrangle

Structural Cross-Section of the Three Rivers 7.5-Minute Geologic Quadrangle



1 0.5 0 1 2 3 Miles