Geologic map of the Falkner, Mississippi, 7.5' Quadrangle

Geology by Charles T. Swann, R.P.G.
Mississippi Mineral Resources Institute
1997

SCALE: 1:48,000
Projection is Transverse Mercator

LEGEND

\[ \begin{align*}
\text{Unconformity} & \quad \text{Unconformity}
\end{align*} \]

\[ \begin{align*}
\text{Tms} & \quad \text{Oldest member of the Tertiary succession}
\end{align*} \]

\[ \begin{align*}
\text{Meridian Sand} & \quad \text{Sand: medium to coarse-grained, cross-bedded, minor clay beds, silicified wood locally common}
\end{align*} \]

\[ \begin{align*}
\text{Nabholus Formation} & \quad \text{Sand, clay, lignite: sand beds typically medium-grained and argillaceous, may be well sorted, may locally contain granules, clays are gray to yellowish-gray, thinly bedded to laminated, base is locally channeled and may contain angular clay boulders, often has a "mealy" texture}
\end{align*} \]

\[ \begin{align*}
\text{Porters Basin} & \quad \text{Clay: micaceous, locally silty, massive to laminated, conchostracal to blocky fracture, spinulose, sparse bivalve fossils; becomes sandy, glauconitic, bedded in lower part of section; becomes massive upon weathering}
\end{align*} \]

\[ \begin{align*}
\text{Clayton Formation; Chalybeate Member} & \quad \text{Sand: medium to fine-grained, poorly bedded, minor clay beds, fossiliferous; at base is discontinuous limestone, glauconitic, phosphatic, fossiliferous; upper unit weathers to massive argillaceous sand; entire unit assigned to Chalybeate Member}
\end{align*} \]

\[ \begin{align*}
\text{Ripley Formation; McNairy Sand/Chiwapa Sandstone Members} & \quad \text{Sand: medium to coarse-grained, cross-bedded, Ophiomorpha sp. common in some beds; unit includes Chiwapa Member which is limestone, sandy, glauconitic, fossiliferous, discontinuous, only locally mappable; sand develops iron oxide-cemented sandstone crusts upon weathering}
\end{align*} \]

\[ \begin{align*}
\text{Clay, silt, sand: typically silty clay, sandy, very micaceous, fossiliferous; sand beds fine-grained, thin; unit often carbonaceous at top; weathers to sandy clay}
\end{align*} \]

\[ \begin{align*}
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