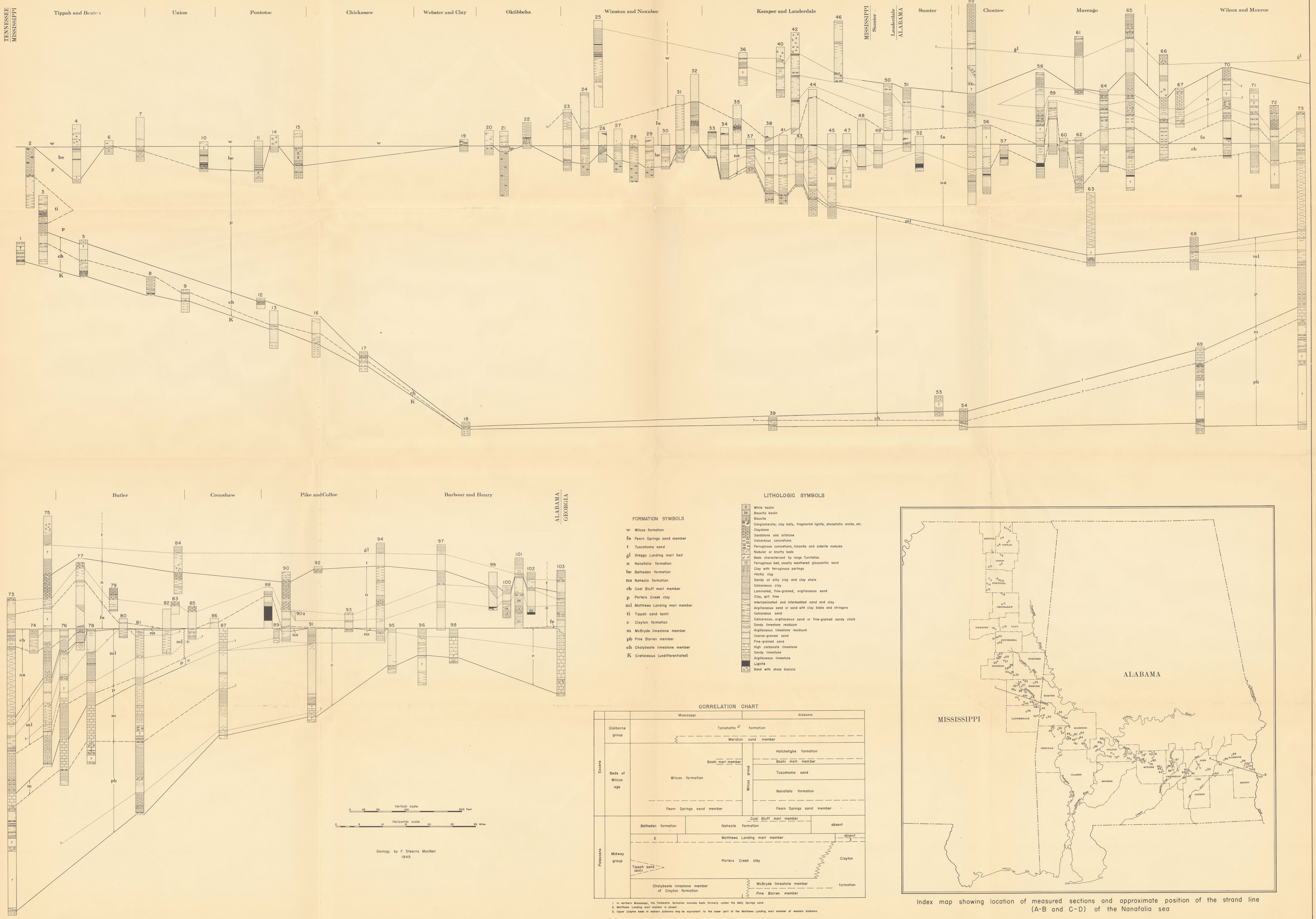
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAPS 3-195



FORMATION SYMBOLS

- w Wilcox formation
- fs Fearn Springs sand member
- t Tuscahoma sand
- gl Greggs Landing marl bed
- n Nanafalia formation
- be Betheden formation
- na Naheola formation
- cb Coal Bluff marl member
- p Porters Creek clay
- ml Matthews Landing marl member
- ti Tippah sand lentil
- c Clayton formation
- m McBryde limestone member
- pb Pine Barren member
- ch Chalybeate limestone member
- K Cretaceous (undifferentiated)

LITHOLOGIC SYMBOLS

- K White kaolin
- BK Bauxitic kaolin
- Bauxite
- Conglomerate, clay balls, fragmental lignite, phosphatic molds, etc.
- Claystone
- Sandstone and siltstone
- Calcareous concretions
- Ferruginous concretions, limonite and siderite nodules
- Nodular or knotty beds
- Beds characterized by large Turritellas
- Ferruginous bed, usually weathered glauconitic sand
- Clay with ferruginous partings
- Hackly clay
- Sandy or silty clay and clay shale
- Calcareous clay
- Laminated, fine-grained, argillaceous sand
- Clay, grit free
- Interlaminated and interbedded sand and clay
- Argillaceous sand or sand with clay blebs and stringers
- Calcareous sand
- Calcareous, argillaceous sand or fine-grained sandy chalk
- Sandy limestone residuum
- Argillaceous limestone residuum
- Coarse-grained sand
- Fine-grained sand
- High carbonate limestone
- Sandy limestone
- Argillaceous limestone
- Lignite
- Sand with shale breccia

CORRELATION CHART

		Mississippi	Alabama
Eocene	Claiborne group	Tallahatta [1] formation	
		Meridian sand member	
	Beds of Wilcox age	Wilcox formation	Wilcox group: Hatchetigbe formation; Bashi marl member; Tuscahoma sand; Nanafalia formation; Fearn Springs sand member
Paleocene	Midway group	Betheden formation	Coal Bluff marl member; Naheola formation; absent
		2	Matthews Landing marl member; absent [3]
		Tippah sand lentil; Porters Creek clay	Clayton formation
		Chalybeate limestone member of Clayton formation	McBryde limestone member; Pine Barren member

1. In northern Mississippi, the Tallahatta formation includes beds formerly called the Holly Springs sand.
2. Matthews Landing marl member is absent.
3. Upper Clayton beds in eastern Alabama may be equivalent to the lower part of the Matthews Landing marl member of western Alabama.

Index map showing location of measured sections and approximate position of the strand line (A-B and C-D) of the Nanafalia sea

THE MIDWAY AND WILCOX STRATIGRAPHY OF ALABAMA AND MISSISSIPPI