

GEORGIA
STATE DIVISION OF CONSERVATION
DEPARTMENT OF MINES, MINING AND GEOLOGY
GARLAND PEYTON, Director

THE GEOLOGICAL SURVEY
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WELL LOGS OF THE
COASTAL PLAIN OF GEORGIA

by

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ATLANTA
1961

JENKINS COUNTY

Location: Approximately 5.2 mi. north of junction of
Highways 17 and 25 in Millen, Magnolia Springs, at
domestic dwelling

Well No.: GGS 227
Elev.: 185¹

Owner: No. 1 U.S. Fish and Wildlife Service

Driller: L. P. Mons and Sons

Drilled: April 1951

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Sand: fine to medium-grained, phosphatic, finely disseminated phosphatic grains; interbedded clay, light-gray to black, lignitic, micaceous	8	3
Sand: fine to medium-grained; interbedded clay, tan, sandy	22	25

Upper Eocene: Jackson Group: Cooper Marl:

Marl: cream, hard lime nodules, fossiliferous (macroshells, abundant echinoid and bryozoan remains, Ostracods, and Foraminifera); and clay, dark brown, lignitic

	95	120
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Discorbis alveata, *Discorbis assulata*, *Spirillina* sp., *Planularia truncana*, *Siphonina jacksonensis*, *Nodosaria fissicostata*, *Cibicides lobatulus* at 70-75.

Marginulina cocoaensis, *Guttulina spicaeformis*, *Globulina gibba*, *Robulus limbosus* var., *Spiroplectammina mississippiensis* var., *Saracenaria* sp., *Planularia truncana*, *Eponides jacksonensis*, *Cibicides mississippiensis* at 75-120.

Middle Eocene: Claiborne Group: Lisbon Formation:

Sand: fine to medium-grained, phosphatic, angular	130	250
Limestone: light-gray, very dense (highly calcitized), sandy, phosphatic, fossiliferous (macroshells and rare Ostracods and Foraminifera)	59	309

Summary:

Miocene (undifferentiated)	25	25
Upper Eocene (Cooper marl)	95	120
Middle Eocene (Lisbon formation)	189	309

Potential Water-Bearing Zones:

Sand: fine to medium-grained	40	250
Limestone	59	309

¹Average elevation based on Georgia State Highway Maps.