

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

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**THE GEOLOGICAL SURVEY**  
Bulletin Number 70

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**WELL LOGS OF THE**  
**COASTAL PLAIN OF GEORGIA**

by

**Stephen M. Herrick, Geologist**  
United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

	Thickness (feet)	Depth (feet)
Clay: pale-yellowish-green, sandy, light-brown rounded phosphatic pebbles .....	21	146
Sand: coarse-grained, subrounded, jet-black rounded phosphatic pebbles, fossiliferous (macroshells).....	31	177

**Oligocene (Undifferentiated):**

Limestone: cream with dark-gray to black streaks, nodular, massive but porous, somewhat cherty, fossiliferous (fragments and molds of megafossils, echinoid and bryozoan remains, Ostracods, and Foraminifera) .....	18	195
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*Quinqueloculina* sp., *Rotalia mexicana* var., *Asterigerina subacuta*, *Lepidocyclina* sp.<sup>1</sup>, *Operculinoides* sp.<sup>1</sup>, and *Gypsina globula*<sup>1</sup> at 177-188.

Limestone: cream, rather soft and chalky, fossiliferous (bryozoan remains and some Foraminifera).....	12	207
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*Gypsina globula*<sup>1</sup> common at 195-207.

**Summary:**

Miocene (undifferentiated) .....	177	177
Oligocene (undifferentiated) .....	30	207

**Potential Water-Bearing Zones:**

Limestone .....	30	207
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**SCREVEN COUNTY**

Location: 16 mi. north of Sylvania on U.S. Highway 301      Well No.: GGS 590  
 Owner: Wade Plantation      Elev.: 95  
 Driller: Turner Well Drilling Company  
 Drilled: 1959

	Thickness (feet)	Depth (feet)
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**Miocene (Undifferentiated):**

Sand: coarse-grained, subangular, arkosic; interbedded clay, dark-brown to mottled to yellowish-green at depth, sandy.....	123	123
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**Upper Eocene: Jackson Group: Ocala Limestone:**

Limestone: cream, much leached, rather soft and porous, fossiliferous (molluscan shells, echinoid and bryozoan remains, and some Foraminifera).....	20	143
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*Operculinoides floridensis*, *Asterocyclina nassauensis*, *Lepidocyclina* sp. at 123-143.

<sup>1</sup>Reworked (?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
<b>Middle Eocene: Claiborne Group: Lisbon Formation:</b>		
Sand: fine to coarse-grained, subangular, sparsely phosphatic, fossiliferous at depth (Foraminifera); some clay, light-gray, somewhat indurated and tough, very sandy, finely glauconitic, micaceous .....	20	163
<i>Nonion advena</i> abundant, <i>Nonion inexcavatus</i> , <i>Bolivina</i> sp., <i>Cibicides americanus</i> var. <i>antiquus</i> , <i>Cibicides lobatulus</i> at 143-163.		
Clay: light to dark-greenish-gray to brownish-green, very sandy, sparsely phosphatic, micaceous, carbonaceous .....	10	173
Limestone: light-gray, saccharoidal, dense, sandy, sparsely phosphatic, glauconitic, fossiliferous (molds and impressions of molluscan shells, echinoid and bryozoan remains, and some Foraminifera) .....	57	230
<i>Spiroplectamina mississippiensis</i> var., <i>Textularia hannai</i> , <i>Nonion advena</i> , <i>Discorbis assulata</i> , <i>Gyroidina soldanii</i> var., <i>Cibicides americanus</i> , <i>Cibicides lobatulus</i> , <i>Cibicides</i> cf. <i>C. refulgens</i> at 191-210.		
Limestone: as above but light-gray to cream at depth .....	41	271
Marl: cream but rather dark-brownish-green at depth, somewhat indurated and tough, sandy, with hard limey nodules, fossiliferous (echinoid and bryozoan remains, Ostracods, and Foraminifera); interbedded limestone or coquina, white to light-brown, sandy, coarsely but sparsely glauconitic, fossiliferous (echinoid and bryozoan remains, and abundant fragments and molds of megafossils); beds of sand, fine to coarse-grained, subangular, sparsely phosphatic .....	103	374
<i>Discorbis georgiana</i> , <i>Gyroidina soldanii</i> var., <i>Alabama atlantisae</i> , <i>Nonion planatus</i> , <i>Guttulina irregularis</i> , <i>Cibicides danvillensis</i> , <i>Cibicides ouachitaensis</i> , <i>Cibicides pseudoungerianus</i> var., <i>Cibicides westi</i> , <i>Cibicides</i> sp. at 271-292.		
<i>Cibicides pseudoungerianus</i> var. <i>lisbonensis</i> , <i>Cibicides pipeni</i> , <i>Cibicides westi</i> at 292-312.		
Coquina prominent at 312-333.		

#### Summary:

Miocene (undifferentiated) .....	123	123
Upper Eocene (Ocala limestone) .....	20	143
Middle Eocene (Lisbon formation) .....	231	374

#### Potential Water-Bearing Zones:

Sand: fine-grained .....	30	173
Limestone .....	98	271