

**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

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United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

	Thickness (feet)	Depth (feet)
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**Middle Eocene: Claiborne Group (Undifferentiated):**

Limestone: cream, crystalline, granular (highly calcitized), coarsely glauconitic, fossiliferous (abundant bryozoan remains, and some Foraminifera).....	160	950
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*Cancris* sp., *Gyroidina soldanii* var., *Siphonina claibornensis*, *Cibicides mississippiensis*, *Cibicides pippeni* var. at 790-800.

*Asterocyclina monticellensis*, *Cibicides pseudoungerianus* var. *lisbonensis* at 800-810.

*Cibicides westi* at 830-840.

Limestone: cream, crystalline, granular (highly calcitized), cherty .....	50	1,000
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Brown chert abundant at 950-960.

**Summary:**

Pliocene to Recent (undifferentiated).....	80	80
In Miocene (undifferentiated).....	155	235
In Oligocene (undifferentiated).....	108	343
In upper Eocene (Ocala limestone).....	447	790
In middle Eocene (Claiborne group, undifferentiated).....	210	1,000

**Potential Water-Bearing Zones:**

Limestone .....	515	750
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**Remarks:**

Sample intervals too large to permit accurate picking of formational tops.

**CHATHAM COUNTY**

Location: Fairway Oaks Development, southwest of De- Well No.: GGS 380  
 Renne and Waters Avenues, opposite golf course, in Elév.: 14  
 Savannah

Owner: No. 1 T. T. Dunn

Driller: Layne-Atlantic Company

	Thickness (feet)	Depth (feet)
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**Pliocene to Recent (Undifferentiated):**

Sand: fine-grained, finely disseminated phosphatic grains.....	5	5
Sand: fine to medium-grained, arkosic.....	10	15

	Thickness (feet)	Depth (feet)
Clay: dark-gray, silty, lignitic, micaceous, fossiliferous (macroshells); sand, as above.....	20	35
Sand: fine to coarse-grained, subrounded.....	15	50

**Miocene (Undifferentiated):**

Clay: dark-green, sandy, phosphatic, finely disseminated flakes of mica.....	108	158
Reddish-brown phosphatic fragments prominent at 86-96.		
Dolomitic limestone: light-brown, saccharoidal, very sandy, phosphatic.....	10	168
Clay: dark-green, silty, phosphatic, blocky.....	31	199
Limestone: light-gray, somewhat argillaceous, very sandy, phosphatic, fossiliferous (casts and molds of megafossils, Ostracods, and Foraminifera).....	20	219
<i>Nonion pizarrensis</i> , <i>Rotalia beccarii</i> var., <i>Cibicides americanus</i> at 199-209.		
<i>Elphidium discoideale</i> , <i>Discorbis subaraucana</i> , <i>Nonion advena</i> , <i>Cibicides concentricus</i> at 209-219.		

**Oligocene (Undifferentiated):**

Limestone: cream, somewhat crystalline (in texture), nodular (calcitized), fossiliferous (echinoid and bryozoan remains, Ostracods, and Foraminifera).....	31	250
<i>Rotalia mexicana</i> var., <i>Pyrgo</i> sp., <i>Quinqueloculina</i> sp. at 219-230.		
<i>Lepidocyclina</i> ( <i>Polylepidina</i> ) <i>antillea</i> <sup>1</sup> , <i>Gypsina globula</i> <sup>1</sup> , <i>Rotalia mexicana</i> var., <i>Nonionella hantkeni</i> var., <i>Cibicides lobatulus</i> , <i>Cibicides americanus</i> var. at 230-240.		
Limestone: yellow, saccharoidal (highly calcitized), fossiliferous (Gastropods, Ostracods, and Foraminifera).....	60	310
<i>Dictyoconus</i> <sup>1</sup> sp. at 250-260.		

**Summary:**

Pliocene to Recent (undifferentiated).....	50	50
Miocene (undifferentiated).....	169	219
Oligocene (undifferentiated).....	91	310

**Potential Water-Bearing Zones:**

Limestone.....	91	310
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<sup>1</sup>Reworked (?) fossil of middle Eocene age.