

**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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Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Clay: yellowish-green to purple (mottled), sandy, phosphatic (at depth); interbedded sand, fine to medium-grained, somewhat coarser-grained at depth.....	150	160
Light-gray phosphatic pebbles prominent at 100-110.		
Yellowish-green chert prominent at 150-160.		
Clay and sand: as above; thin tongues of limestone, white, dense, sandy .....	60	220

**Oligocene (Undifferentiated):**

Limestone: light-gray to pinkish, dense (much calcitized), nodular, sandy, fossiliferous (casts and molds of megafossils chiefly Gastropods, bryozoan remains and Foraminifera).....	80	300
<i>Dictyoconus</i> <sup>1</sup> sp., <i>Rotalia mexicana</i> var., <i>Quinqueloculina</i> sp. at 220-230.		
<i>Gypsina globula</i> <sup>1</sup> common at 230-240.		
<i>Lepidocyclina mantelli</i> ? at 250-260.		

**Summary:**

Pliocene to Recent (undifferentiated).....	10	10
Miocene (undifferentiated) .....	210	220
Oligocene (undifferentiated) .....	80	300

**Potential Water-Bearing Zones:**

Limestone .....	70	290
Sand: fine to coarse-grained.....	10	300

**SCREVEN COUNTY**

Location: 6.5 mi. east of Rockyford, south side of alter-  
nate Highway 17      Well No.: GGS 578  
Owner: No. 1 Oak Grove Methodist Church      Elev.: 165  
Driller: Turner Well Drilling Company  
Drilled: 1959

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Clay: light-gray with red streaks (mottled), pale-yellowish- green at depth, very sandy.....	84	84
Sand: coarse-grained, subrounded, arkosic.....	41	125

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

	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.