

**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)
<b>Miocene (Undifferentiated):</b>		
Clay: dark-green to brown (somewhat mottled), cherty, sandy	8	60
Sand: fine-grained, phosphatic; clay, light-gray, somewhat indurated, sandy	5	65
Clay: light-gray, somewhat indurated, phosphatic, sandy	13	78
Sand: fine to medium-grained, phosphatic, argillaceous at depth	22	100
Clay: light-gray, sandy; indurated clay, white, sandy, carbonaceous; interbedded limestone at depth, white, sandy	33	133
Clay: pale-green to turquoise, somewhat indurated, sandy, cherty	17	150
Clay: as above; dolomitic limestone, light-brown, saccharoidal, sandy	10	160
Clay: white, indurated, sandy, carbonaceous; limestone, white, sandy, fossiliferous (Foraminifera)	20	180
<i>Archaias</i> sp. at 160-165.		

**Oligocene (Undifferentiated):**

Limestone: dense (highly calcitized), nodular, fossiliferous (macroshells and some Foraminifera)	136	316
<i>Dictyoconus</i> <sup>1</sup> sp., <i>Rotalia byramensis</i> var. at 180-190.		

**Summary:**

Pliocene to Recent (undifferentiated)	52	52
Miocene (undifferentiated)	128	180
Oligocene (undifferentiated)	136	316

**Potential Water-Bearing Zones:**

Sand: fine to medium-grained	22	100
Limestone	136	316

**LOWNDES COUNTY**

Location: 4 mi. north of Post Office in Valdosta  
 Owner: No. 1 Schroer Plant Farm  
 Driller: Duval Drilling Company

Well No.: GGS 412  
 Elev.: 250

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Sand: fine to medium-grained, gray to yellow, argillaceous, limonitic	5	5

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

	Thickness (feet)	Depth (feet)
Clay: light-gray to purple (mottled), sandy, finely disseminated phosphatic grains and kaolin inclusions .....	65	70
<b>Miocene (Undifferentiated):</b>		
Clay: yellow, olive-green at depth, sandy, phosphatic (light-gray pebbles); some sand, fine-grained .....	48	118
Claystone: white, sandy, abundant chert .....	5	123
Clay: pale-green, sandy, phosphatic; limestone, white, dense (much calcitized), sandy, somewhat carbonaceous .....	27	150
Clay: turquoise, indurated, tough, sandy, light-gray to transparent phosphatic? pebbles .....	37	187
Clay: turquoise, indurated, sandy; limestone, white to light-brown (dolomitized) at depth, very sandy, fossiliferous at depth (macroshells and bryozoan remains) .....	49	236
Macroshells at 200-207.		
Dolomitic limestone at 207-226.		
<b>Oligocene (Undifferentiated):</b>		
Limestone: light-brown to cream at depth, fossiliferous at depth	127	363
<i>Quinqueloculina</i> sp. at 236-246.		
<i>Rotalia bryamensis</i> var. at 246-266.		
<b>Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone: cream, dense (much calcitized,) fossiliferous (macroshells and some Foraminifera); interbedded dolomitic limestone in certain zones .....	137	500
Dolomitic limestone, dark-brown, saccharoidal at 363-370.		
<i>Operculinoides</i> sp. at 370-385.		
<i>Pseudophragmina flintensis</i> , <i>Gypsina globula</i> at 400-420.		
<i>Camerina striatoreticulata</i> (abundant), <i>Asterocyclina nas-sauensis</i> at 440-459.		
<b>Summary:</b>		
Pliocene to Recent (undifferentiated) .....	70	70
Miocene (undifferentiated) .....	166	236
Oligocene (undifferentiated) .....	127	363
Upper Eocene (Ocala limestone) .....	137	500
<b>Potential Water-Bearing Zones:</b>		
Limestone .....	210	460