

**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)
Sand: fine to coarse-grained, limonitic, arkosic; clay, ochre, sandy .....	13	33
Clay: ochre, very sandy, abundantly limonitic .....	3	36
Sand: fine to medium-grained, angular, argillaceous, containing inclusions of kaolin .....	14	50
Sand: coarse-grained, arkosic .....	5	55

**Miocene (Undifferentiated):**

Clay: pale-green to turquoise to ochre, sandy, phosphatic .....	25	80
Phosphatic pebbles prominent at 55-70.		
Sand: fine to coarse-grained, phosphatic .....	20	100
Clay: light-gray to white, sandy, indurated (approaching a claystone), cherty at depth .....	40	140
Dolomitic limestone: light-brown, saccharoidal, sandy; and limestone, white, sandy .....	10	150

**Summary:**

Pliocene to Recent (undifferentiated) .....	55	55
Miocene (undifferentiated) .....	95	150

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained .....	20	100
Dolomitic limestone .....	10	150

**LOWNDES COUNTY**

Location: 7 mi. southeast of Valdosta  
 Owner: No. 1 National Container Company  
 Driller: Layne-Atlantic Company  
 Drilled: 1954

Well No.: GGS 404

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Clay: pale-green to ochre to red (mottled), very sandy, limonitic .....	21	21
Clay: ochre, sandy .....	6	27
Sand: fine to medium-grained, argillaceous, angular .....	25	52

	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.