

**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: gray to greenish-gray, sandy, phosphatic .....	20	60
Clay: as above, but much sandier .....	20	80
Claystone (indurated clay): pale-green, phosphatic, sandy, cherty .....	20	100
Sand: fine to coarse-grained, somewhat silicified; and clay- stone, as above .....	40	140
Limestone: white, rather soft, sandy .....	60	200

**Summary:**

Pliocene to Recent (undifferentiated) .....	40	40
Miocene (undifferentiated) .....	160	200

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained .....	40	140
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**LOWNDES COUNTY**

Location: 8 mi. west of Valdosta  
 Owner: No. 1 C. C. Giddens  
 Driller: Winter Hardware Company  
 Drilled: January 1943

Well No.: GGS 42

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Clay: red to purple, sandy .....	20	20
Clay: ochre, very sandy, abundantly limonitic .....	20	40
<b>Miocene (Undifferentiated):</b>		
Clay: light-gray, somewhat indurated, sandy, phosphatic, cherty	40	80
Clay: as above; limestone, white, sandy .....	20	100
Limestone: white, sandy; clay, as above .....	40	140
Claystone: pale-green, cherty .....	20	160

**Oligocene (Undifferentiated):**

Claystone: as above; limestone, light-brown to cream, rather dense (calcitized), fossiliferous (Foraminifera) .....	60	220
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<sup>1</sup> *Quinqueloculina* sp., *Dictyoconus*<sup>1</sup> sp. at 180-200.

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

	Thickness (feet)	Depth (feet)
<b>Summary:</b>		
Pliocene to Recent (undifferentiated) .....	40	40
Miocene (undifferentiated) .....	120	160
Oligocene (undifferentiated) .....	60	220

**Potential Water-Bearing Zones:**

Limestone .....	30	220
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**LOWNDES COUNTY**

Location: 8 mi. north of Valdosta  
 Owner: No. 1 Walter Todd  
 Driller: Winter Hardware Company

Well No.: GGS 47

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

Clay: light-gray to pink, very sandy, arkosic .....	10	20
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**Miocene (Undifferentiated):**

Clay: ochre, sandy, phosphatic .....	40	60
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Sand: fine to medium-grained, angular, phosphatic .....	40	100
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Clay: light-gray to pale-green, sandy, cherty; and limestone, white, sandy, much leached .....	20	120
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Dolomitic limestone: light-brown, saccharoidal .....	100	220
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**Summary:**

Pliocene to Recent (undifferentiated) .....	20	20
Miocene (undifferentiated) .....	200	220

**Potential Water-Bearing Zones:**

Sand: fine to medium-grained .....	40	100
Dolomitic limestone .....	100	220

**LOWNDES COUNTY**

Location: In Bemiss  
 Owner: No. 1 T. M. Dasher  
 Driller: Winter Hardware Company  
 Drilled: 1941

Well No.: GGS 78  
 Elev.: 251

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

Clay: pink, sandy, finely phosphatic .....	40	40
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Clay: ochre, sandy, abundantly limonitic .....	20	60
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