

**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

**Stephen M. Herrick, Geologist**  
United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

## LOWNDES COUNTY

Location: 4 mi. south of Lake Park  
 Owner: No. 1 U.S. Bureau of Fisheries  
 Driller: W. R. McGrew  
 Drilled: 1929

Well No.: GGS 179  
 Elev.: 145

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Sand: fine to coarse-grained, arkosic .....	18	18
Sand: fine to medium-grained, finely phosphatic, argillaceous at depth .....	42	60

**Miocene(?) (Undifferentiated):**

Clay: light-gray, indurated, sandy, cherty .....	15	75
No samples .....	20	95

**In Oligocene (Undifferentiated):**

Limestone: light-gray, dense (highly calcitized), nodular, fos- siliferous (Foraminifera) .....	113	208
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*Quinqueloculina* sp. at 95-110.

*Dictyoconus*<sup>1</sup> sp. common at 200-208.

**Summary:**

Pliocene to Recent (undifferentiated) .....	60	60
Miocene(?) (undifferentiated) .....	15	75
No samples .....	20	95
In Oligocene (undifferentiated) .....	113	208

**Potential Water-Bearing Zones:**

Limestone .....	113	208
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## LOWNDES COUNTY

Location: 3 mi. southeast of Base (Moody Field), at  
 Ordnance Site  
 Owner: No. 3 Moody Air Field (U.S. Govt.)  
 Driller: Winter Hardware Company

Well No.: GGS 182  
 Elev.: 202

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Clay: mottled, sandy, arkosic, limonitic .....	15	15

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

	Thickness (feet)	Depth (feet)
Clay: ochre, abundantly limonitic, sandy, sandier with increased depth .....	15	30
Sand: fine to coarse-grained, finer-grained at depth, angular, arkosic, finely phosphatic .....	15	45

**Miocene (Undifferentiated):**

Sand: as above, but phosphatic .....	10	55
Clay: ochre to dark-green, indurated, sandy, phosphatic .....	10	65
Sand: fine-grained, phosphatic; limestone, white, sandy, much leached .....	10	75
Clay: gray to light-brown, sandy, phosphatic .....	10	85
Sand: fine-grained; limestone, as above .....	10	95
Clay: light-gray, indurated, sandy, cherty at depth; interbedded limestone, white, sandy; and sand, fine to medium-grained, phosphatic .....	55	150
Dolomitic limestone: light-brown, saccharoidal, sandy; sand, as above .....	5	155
Clay: white, very sandy, cherty; dolomitic limestone, as above .....	5	160
Limestone: white, very sandy, cherty, fossiliferous (macroshells and Foraminifera) .....	15	175

*Sorites* sp. at 165-170.

**Oligocene (Undifferentiated):**

Dolomitic limestone: light-brown, saccharoidal; interbedded limestone, dense (highly calcitized), fossiliferous (Foraminifera) .....	25	200
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*Rotalia byramensis* var. at 190-195.

Limestone: cream, dense (highly calcitized), fossiliferous (Foraminifera) .....	48	248
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*Dictyoconus*<sup>1</sup> sp. at 200-205.

**Summary:**

Pliocene to Recent (undifferentiated) .....	45	45
Miocene (undifferentiated) .....	130	175
Oligocene (undifferentiated) .....	73	248

**Potential Water-Bearing Zones:**

Limestone .....	88	248
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<sup>1</sup>Reworked (?) fossil of middle Eocene age.