

**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**

	Thickness (feet)	Depth (feet)
<b>Potential Water-Bearing Zones:</b>		
Limestone .....	180	500

**Remarks:**

Water below depth of 500 not suitable because of excessive mineralization.

**GRADY COUNTY**

Location: 7 mi. north of Cairo

Well No.: GGS 493

Owner: No. 1 Shiver Elementary School

Drilled: 1956

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Clay: brick-red, mottled at depth, sandy, micaceous, limonitic .....	90	90
Clay: yellowish-green, sandy .....	40	130
Sand: fine-grained, angular .....	20	150
Limestone: white to brown, dolomitized at certain levels, sandy .....	120	270
Clay: dark-green, sandy .....	40	310
Limestone: as above .....	10	320
No samples .....	20	340

**In Oligocene and Upper Eocene (Undifferentiated):**

Limestone: cream, somewhat crystalline and calcitized, nodular, fossiliferous (echinoid and bryozoan remains and Foraminifera) .....	40	380
<i>Rotalia mexicana</i> var. at 340.		
No samples .....	20	400
Dolomitic limestone: brown, saccharoidal .....	?	400
No samples .....	20	420
Limestone: brown to cream, nodular, fossiliferous (Foraminifera); dolomitic limestone, as above .....	120	540
<i>Asterigerina subacuta</i> at 420.		
<i>Operculinoides</i> sp., <i>Lepidocyclina</i> sp. at 460.		
<i>Operculinoides</i> sp., <i>Lepidocyclina</i> sp. at 540.		

	Thickness (feet)	Depth (feet)
No samples .....	10	550
Dolomitic limestone: as above.....	?	550

**Summary:**

Miocene (undifferentiated) .....	320	320
No samples .....	20	340
In Oligocene and upper Eocene (undifferentiated).....	210	550

**Potential Water-Bearing Zones:**

Limestone .....	40	380
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**Remarks:**

Samples of poor quality—too poor to permit selection of top of upper Eocene (Ocala) limestone.

**GRADY COUNTY**

Location: 14 mi. south of Cairo  
 Owner: No. 1 Beckbranch School  
 Drilled: 1956

Well No.: GGS 494

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Clay: yellow (or ochre), sandy, limonitic.....	60	60
No samples .....	20	80
<b>In Miocene (Undifferentiated):</b>		
Clay: pale-green, somewhat fossiliferous.....	?	80
No samples .....	20	100
Limestone: cream, sandy.....	?	100
No samples .....	20	120
Clay: light to dark-green, phosphatic; interbedded with limestone, cream to light-gray to light-brown, somewhat dolomitized and saccharoidal at certain levels, sandy.....	160	280
No samples .....	20	300
Clay: light-gray, blocky; interbedded with limestone, as above.....	80	380