

**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 .....	406	646

**Remarks:**

Sample intervals too large to permit satisfactory picking of formational tops.

**CHATHAM COUNTY**

Location: 2 mi. east of City Hall, near south bank of Savannah River, in Savannah  
 Well No.: GGS 61  
 Elev.: 6  
 Owner: No. 1 Standard Oil Company  
 Driller: Layne-Atlantic Company  
 Drilled: August 1940

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Sand: fine to coarse-grained, angular, arkosic, finely disseminated phosphatic grains; interbedded clay, dark-gray, silty, lignitic, micaceous, fossiliferous (macroshells at certain levels) .....	60	60
Sand: coarse-grained, arkosic, somewhat phosphatic .....	10	70
<b>Miocene (Undifferentiated):</b>		
Clay: dark-green, somewhat granular (in texture), sandy, phosphatic (at depth) .....	30	100
Reddish-brown phosphatic fragments prominent at 100.		
Clay: as above; interbedded dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic; limestone, light-gray to white, dense, saccharoidal, very sandy, phosphatic, fossiliferous at depth (casts and impressions of megafossils) .....	145	245
Dolomitic limestone prominent at 140.		
No samples .....	32	277

**In Oligocene (Undifferentiated):**

Limestone: cream, nodular (much calcitized), cherty, fossil-

	Thickness (feet)	Depth (feet)
iferous (casts and molds of Gastropods, some echinoid and bryozoan remains, and Foraminifera) .....	?	277
<i>Quinqueloculina</i> sp., <i>Pyrgo</i> sp. at 277.		
No samples .....	13	290
Limestone: light-gray, massive, crystalline (recrystallized), fossiliferous (some bryozoan remains, Ostracods, and Foraminifera) .....	20	310
No samples .....	15	325

#### In Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: white, somewhat calcitized, crystalline, fossiliferous (abundant bryozoan remains and some Foraminifera) .....	?	325
<i>Operculinoides floridensis</i> , <i>Asterocyclina nassauensis</i> , <i>Argyrotheca</i> sp. at 325.		
Limestone: as above .....	75	400
No samples .....	20	420
Limestone: cream, highly calcitized, granular, fossiliferous ("larger Foraminifera" at certain levels) .....	230	650
<i>Camerina striatoreticulata</i> at 480.		
<i>Operculina mariannensis</i> at 580.		

#### Summary:

Pliocene to Recent (undifferentiated) .....	70	70
Miocene (undifferentiated) .....	175	245
No samples .....	32	277
In Oligocene (undifferentiated) .....	33	310
No samples .....	15	325
In upper Eocene (Ocala limestone) .....	325	650

#### Potential Water-Bearing Zones:

Limestone .....	373	650
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#### Remarks:

Well plagued with sample gaps, hence impossible to place formational tops with accuracy.