

GEORGIA
STATE DIVISION OF CONSERVATION
DEPARTMENT OF MINES, MINING AND GEOLOGY
GARLAND PEYTON, Director

THE GEOLOGICAL SURVEY
Bulletin Number 70

WELL LOGS OF THE
COASTAL PLAIN OF GEORGIA

by

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Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

	Thickness (feet)	Depth (feet)
No samples	60	1,010
In middle Eocene (Tallahatta formation)	260	1,270
No samples	90	1,360
In lower Eocene and Paleocene (undifferentiated)	230	1,590
No samples	20	1,610
In Upper Cretaceous (undifferentiated)	520	2,130

Potential Water-Bearing Zones:

Limestone	730	1,010
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CHATHAM COUNTY

Location: Abercorn and 59th Street, Savannah
 Owner: City of Savannah
 Driller: Layne-Atlantic Company
 Drilled: May 1941

Well No.: GGS 80
 Elev.: 18

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

Sand: fine-grained to coarser-grained at depth; interbedded clay, dark-gray to black, somewhat fissile, silty, lignitic, micaceous, fossiliferous (macroshells)	60	60
Clay: gray to dark-green, sandy, somewhat phosphatic	20	80
Sand: coarse-grained, rounded, arkosic; some clay, as above	2	82
Sand: as above; fragments of dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic	2	84
No samples	31	115

In Miocene (Undifferentiated):

Clay: dark-green, sandy, phosphatic	115	230
Dolomitic limestone: light-brown, saccharoidal, sandy, fossiliferous (casts and impressions of megafossils); interbedded limestone, light-gray, dense (much calcitized), somewhat nodular, sandy, phosphatic	20	250
No samples	20	270

	Thickness (feet)	Depth (feet)
In Oligocene (Undifferentiated):		
Limestone: cream, rather massive (much calcitized), fossiliferous (megafossils and some Foraminifera); some limestone, as above.....	60	330
<i>Rotalia mexicana</i> var., <i>Nonionella hantkeni</i> var., <i>Gypsina globula</i> ¹ at 270. <i>Dictyoconus</i> ¹ sp. at 300.		
No samples	17	347
In Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: light-gray to white, dense (much calcitized), crystalline, fossiliferous (megafossils, echinoid and bryozoan remains, and Foraminifera).....	159	506
<i>Operculinoides floridensis</i> , <i>Asterocyclina</i> sp. at 386.		
No samples	59	565
Limestone: cream, granular, fossiliferous (Foraminifera).....	95	660
<i>Asterocyclina nassauensis</i> , <i>Pseudophragmina flintensis</i> at 565. <i>Camerina striatoreticulata</i> , <i>Operculina mariannensis</i> at 640.		
Limestone: as above, but coarsely glauconitic.....	40	700
Summary:		
Pliocene to Recent (undifferentiated).....	84	84
No samples	31	115
In Miocene (undifferentiated).....	135	250
No samples	20	270
In Oligocene (undifferentiated).....	60	330
No samples	17	347
In upper Eocene (Ocala limestone).....	353	700
Potential Water-Bearing Zones:		
Limestone	430	700

¹Reworked (?) fossil of middle Eocene age.