

**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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Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

	Thickness (feet)	Depth (feet)
<b>Middle Eocene: Claiborne Group (Undifferentiated):</b>		
Limestone as above; interbedded dolomitic limestone .....	237	1,190
<i>Dietyoconus</i> sp. at 953-983.		

**Summary:**

Miocene to Recent (undifferentiated) .....	508	508
Oligocene (undifferentiated) .....	22	530
Upper Eocene (Ocala limestone) .....	423	953
Middle Eocene (Claiborne group, undifferentiated) .....	237	1,190

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained .....	24	66
Sand: coarse-grained (up to gravel size) .....	100	220
Sand: fine to coarse-grained .....	40	450
Limestone .....	373	823

**Remarks:**

Samples of poor quality.

**CAMDEN COUNTY**

Location: St. Marys  
 Owner: No. 4 St. Marys Kraft Corporation  
 Driller: Layne-Atlantic Company  
 Drilled: October 1953

Well No.: GGS 365  
 Elev.: 14'

	Thickness (feet)	Depth (feet)
No samples .....	65	65

**In Pliocene to Recent (Undifferentiated):**

Limestone: dark-brownish-gray, saccharoidal, massive, sandy, sparsely phosphatic, fossiliferous (molds and impressions of megafossils) .....	27	92
Sand: fine-grained, subangular to subrounded; some limestone, as above .....	20	112
Dolomitic limestone: white, saccharoidal, sandy, coarse-subrounded grains of sand and some coarse-grained, jet-black phosphatic grains; fragments of clay, dark-green, sandy .....	11	123

<sup>1</sup>Average elevation taken from State Highway map.

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Lithology as above but with more clay, dark-green, sandy .....	31	154
Clay: dark-green, sandy .....	182	336
Clay: as above; dolomitic limestone, brown, saccharoidal, sandy, phosphatic .....	122	458
Lithology as above; fragments of indurated sand, fine to medium-grained, subrounded, fossiliferous (a coquina); fragments of limestone, white, sandy, phosphatic, fossili- ferous (macroshells and bryozoan remains) .....	51	509
<b>Oligocene (Undifferentiated):</b>		
Limestone: light-gray to cream at depth, nodular, somewhat saccharoidal, fossiliferous (molds, impressions, and frag- ments of megafossils, bryozoan remains, and some Fora- minifera) .....	10	519
<i>Asterigerina</i> sp., <i>Siphonina advena</i> , <i>Discorbis subaraucana</i> , <i>Cibicides locatulus</i> , <i>Cibicides mississippiensis</i> at 509-515.		
No samples .....	36	555
<b>In Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone as above; interbedded dolomitic limestone, brown, saccharoidal .....	331	886
<i>Gypsina globula</i> at 555-582.		
No samples .....	30	916
<b>In Middle Eocene: Claiborne Group (Undifferentiated):</b>		
Limestone as above; interbedded dolomitic limestone, dark- brown, saccharoidal .....	304	1,220
<i>Dictyoconus</i> sp. and abundant <i>Miliolidae</i> at 916-966.		
<b>Summary:</b>		
No samples .....	65	65
In Pliocene to Recent. (undifferentiated) .....	58	123
Miocene (undifferentiated) .....	386	509
Oligocene (undifferentiated) .....	10	519
No samples .....	36	555
In upper Eocene (Ocala limestone) .....	331	886
No samples .....	30	916
In middle Eocene (Claiborne group, undifferentiated) .....	304	1,220

	Thickness (feet)	Depth (feet)
<b>Potential Water-Bearing Zones:</b>		
Limestone .....	316	825

## CAMDEN COUNTY

Location: 0.75 to 1 mi. east of Tarboro on Whiteoak Road    Well No.: GGS 455  
 Owner: No. 1 Tarboro Elementary School    Elev.: 14<sup>1</sup>  
 Driller: Woodrow Sapp  
 Drilled: October 1955

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Sand: fine-grained, finely disseminated phosphatic grains; interbedded clay, dark-gray, silty, lignitic, micaceous .....	55	55
<b>Miocene (Undifferentiated):</b>		
Clay: dark-green, sandy, phosphatic; interbedded sand, fine to coarse-grained phosphatic .....	145	200
Dolomitic limestone: light-brown, saccharoidal, sandy, phos- phatic; some sand as above .....	40	240
Clay: dark-green, sandy, phosphatic; interbedded dolomitic limestone as above .....	50	290
Clay: as above but sandier and somewhat indurated; inter- bedded limestone, white, dense (much calcitized), sandy, phosphatic, fossiliferous (macroshells) .....	20	310
Dolomitic limestone: brown, saccharoidal, sandy, phosphatic ..	10	320
Limestone: white, dense (much calcitized), very sandy, phos- phatic, fossiliferous (molds, impressions, and fragments of macroshells); interbedded sand, fine to coarse-grained, phosphatic .....	110	430

## Summary:

Pliocene to Recent (undifferentiated) .....	55	55
Miocene (undifferentiated) .....	375	430

<sup>1</sup>Average elevation taken from State Highway map.