

**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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United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

	Thickness (feet)	Depth (feet)
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Limestone: white, dense, much calcitized, phosphatic, fossiliferous (casts and molds of megafossils) .....	68	558
Dolomitic limestone: dark-brown, saccharoidal, sandy, phosphatic, fossiliferous (molds and impressions of megafossils) ..	42	600

**Oligocene (Undifferentiated):**

Limestone: cream, recrystallized (much calcitized), nodular, somewhat oolitic?, fossiliferous (Foraminifera) .....	20	620
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*Dictyoconus*<sup>2</sup> sp., *Quinqueloculina* sp. at 600-620.

**Upper Eocene: Jackson Group: Ocala Limestone:**

Limestone: light-gray to white, extremely dense (much calcitized), fossiliferous (echinoid and bryozoan remains and Foraminifera) .....	48	668
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*Operculinoides* sp. at 620-640.

*Operculinoides ocanalus*, *Asterocyclina nassauensis*, *Pseudophragmina flintensis*, *Gypsina globula*, *Argyrotheca* sp. at 660-668.

**Summary:**

Pliocene to Recent (undifferentiated) .....	145	145
In Miocene (undifferentiated) .....	455	600
Oligocene (undifferentiated) .....	20	620
Upper Eocene (Ocala limestone) .....	48	668

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained .....	80	410
Limestone .....	68	668

**PIERCE COUNTY**

Location:

Well No.: GGS 516

Owner: No. 1 Pierce County Training School

Driller: M. M. Gray Drilling Company

Drilled: 1956

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

Sand: fine to coarse-grained, arkosic, with kaolin inclusions .....	20	20
Clay: light-gray to red (mottled), sandy .....	10	30

<sup>2</sup>Reworked (?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
Sand: very coarse-grained, angular, arkosic; some clay, as above	10	40
<b>Miocene (Undifferentiated):</b>		
Clay: yellowish-green, sandy, finely disseminated phosphatic grains	20	60
Sand: fine to coarse-grained, angular, phosphatic, arkosic	10	70
Clay: yellowish-green, sandy	10	80
Sand: fine to coarse-grained, arkosic	50	130
Black, phosphatic pebbles prominent at 120-130.		
Clay: dark-green, sandy, phosphatic	50	180
Sand: fine to coarse-grained, phosphatic	100	280
Clay: dark-green, sandy, phosphatic	100	380
Dolomitic limestone: light-brown, saccharoidal, sandy, phosphatic; interbedded sand, fine to coarse-grained, phosphatic; clay, dark-green, sandy, phosphatic	80	460
Dolomitic limestone, as above	40	500

**Oligocene (Undifferentiated):**

Limestone: cream, dense (much calcitized), fossiliferous (molluscan remains and abundant Foraminifera)	145	645
<i>Dictyoconus</i> <sup>1</sup> sp. and abundant fossils belonging to the family <i>Miliolidae</i> at 500-510.		

**Summary:**

Pliocene to Recent (undifferentiated)	40	40
Miocene (undifferentiated)	460	500
Oligocene (undifferentiated)	145	645

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained	50	130
Sand: fine to coarse-grained	100	280
Limestone	145	645

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