

**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)
Limestone: cream, sandy, cherty at certain levels; some clay, yellowish-green, sandy .....	30	135
Clay: yellowish-green, sandy, somewhat indurated .....	10	145

**In Oligocene (Undifferentiated):**

Limestone: white, dense, crystalline, calcitized, fossiliferous (macroshells, bryozoan remains, and some Foraminifera) .....	40	185
<i>Asterigerina</i> sp. at 145-155. ....		
<i>Rotalia mexicana</i> var. at 155-165. ....		
No samples .....	40	225
Limestone: as above, but more calcitized; some sand, fine to medium-grained, angular .....		225

**Summary:**

No samples .....	35	35
In Miocene (undifferentiated) .....	110	145
In Oligocene (undifferentiated) .....	80	225

**Potential Water-Bearing Zones:**

Limestone .....	40	185
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**TURNER COUNTY**

Location: In Ashburn  
 Owner: No. 1 Manhattan Shirt Company  
 Driller: M. M. Gray, Drilling Company  
 Drilled: 1958

Well No.: GGS 557  
 Elev.: 430

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Clay: pale-green to tan to purple to red (mottled), sandy, limonitic; interbedded sand, fine to coarse-grained, angular, arkosic .....	190	190
Clay: pale-green, blocky, sandy; interbedded sand, as above; limestone, white, sandy .....	90	280

	Thickness (feet)	Depth (feet)
<b>Oligocene (Undifferentiated):</b>		
Limestone: white to cream, nodular, massive, much calcitized, fossiliferous (some megafossils, bryozoan remains, and Foraminifera) .....	105	385
<i>Asterigerina subacuta</i> , <i>Gypsina globula</i> <sup>1</sup> at 280-290.		
<i>Rotalia mexicana</i> var. at 290-300.		
<i>Lepidocyclina</i> sp. at 300-310.		
<b>Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone: cream to light-brown, somewhat dolomitized at certain levels, much calcitized, granular, fossiliferous (common to abundant bryozoan remains and Foraminifera) .....	140	525
<i>Lepidocyclina chaperi</i> at 385-395.		
<i>Robulus</i> sp., <i>Eponides jacksonensis</i> , <i>Gypsina globula</i> , <i>Lepidocyclina chaperi</i> at 395-405.		
Sand: fine to coarse-grained, angular; limestone, white to cream-colored, somewhat granular and calcitized, fossiliferous ("larger Foraminifera") .....	30	555
<i>Asterocyclina</i> sp. at 525-535.		
Limestone: cream, rather soft and porous, granular, much calcitized, fossiliferous ("larger Foraminifera") .....	110	665
<i>Operculina</i> cf. <i>O. mariannensis</i> , <i>Camerina striatoreticulata</i> at 555-565.		
<i>Amphistegina pinarensis</i> var. at 575-585.		
<i>Asterocyclina</i> sp. common at 635-645.		
No samples .....	5	670
<b>In Middle Eocene: Claiborne Group: Lisbon Formation:</b>		
Marl: light-gray, silty, micaceous, fossiliferous (some Foraminifera at certain levels); interbedded limestone, dark-green, massive, dense, crystalline, coarsely glauconitic at depth, pyritiferous, fossiliferous (megafossils and some bryozoan remains) .....	80	750
<i>Operculinoides</i> sp., <i>Cibicides pseudoungerianus</i> var. <i>lisbonensis</i> at 670-680.		
Sand: fine to coarse-grained, angular, phosphatic; some marl and limestone, as above .....	20	770

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

	Thickness (feet)	Depth (feet)
<b>Summary:</b>		
Miocene (undifferentiated) .....	280	280
Oligocene (undifferentiated) .....	105	385
Upper Eocene (Ocala limestone) .....	280	665
No samples .....	5	670
In middle Eocene (Lisbon formation) .....	100	770

**Potential Water-Bearing Zones:**

Limestone .....	245	525
Limestone .....	110	665
Sand: fine to coarse-grained .....	20	770

**TURNER COUNTY**

Location: In Ashburn  
 Owner: City of Ashburn  
 Driller: Layne-Atlantic Company  
 Drilled: July 1957

Well No.: GGS 565  
 Elev.: 430

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Clay: mottled, blocky, sandy, limonitic; interbedded sand, fine to coarse-grained, subangular, arkosic .....	87	87
Clay: as above, but somewhat indurated, tough; sand, as above .....	125	212
<b>Oligocene (Undifferentiated):</b>		
Limestone: white, somewhat nodular, massive, recrystallized and saccharoidal, fossiliferous (some macroshells, echinoid and bryozoan remains, and Foraminifera) .....	63	275
<i>Asterigerina subacuta</i> , <i>Quinqueloculina</i> sp., <i>Dictyoconus</i> <sup>1</sup> sp. at 212-230.		
<i>Rotalia mexicana</i> var. common at 230-232.		
<i>Gypsina globula</i> <sup>1</sup> at 260-270.		
Limestone: cream, massive, calcitized, somewhat nodular, cherty, relatively unfossiliferous .....	115	390

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