

**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: white, dense, somewhat crystalline and saccharoidal, cherty, fossiliferous (fragments of macroshells, echinoid and bryozoan remains) .....	15	280
Limestone: white, nodular, dense, fossiliferous (macroshells) .....	20	300
Limestone: as above, but considerably leached, much of it weathered to white clay .....	20	320

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

Limestone: cream, granular, very sandy, coarsely glauconitic, fossiliferous (macroshells, echinoid and bryozoan remains, and some Foraminifera) .....	30	350
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*Spiroplectammia mississippiensis* var., *Textularia* sp., *Robulus alato-limbatus*, *Robulus limbosus* var., *Nodosaria latejugata* var., *Dentalina jacksonensis*, *Guttulina irregularis*, *Guttulina spicaeformis*, *Spirillina* sp., *Planularia* sp., *Gyroidna?* sp., *Eponides jacksonensis*, *Siphonina jacksonensis*, *Cibicides americanus* var., *Cibicides ouachitaensis* at 320-348.

#### Summary:

No samples .....	200	200
In Miocene (undifferentiated) .....	35	235
Oligocene (undifferentiated) .....	85	320
Upper Eocene (Ocala limestone) .....	30	350

#### Potential Water-Bearing Zones:

Limestone .....	30	350
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#### GLYNN COUNTY

Location: City of Brunswick  
 Owner: Hercules Powder Company  
 Driller: Layne-Atlantic Company  
 Drilled: July 1942

Well No.: GGS 5  
 Elev.: 10

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

Sand: fine to coarse-grained, phosphatic .....	165	165
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	Thickness (feet)	Depth (feet)
<b>In Miocene (Undifferentiated):</b>		
Clay: dark-green, sandy, cherty, phosphatic; interbedded sand, fine to coarse-grained, phosphatic .....	125	290
Dolomitic limestone: light brown, saccharoidal, sandy, phosphatic .....	15	305
Sand: fine to coarse-grained; interbedded limestone, white, sandy, phosphatic, fossiliferous (macroshells); dolomitic limestone and clay, as above .....	100	405
Limestone: white, very sandy, phosphatic, fossiliferous (macroshells) .....	135	540
No samples .....	20	560

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

Limestone: light-gray to white, massive, dense (much calcitized), fossiliferous (macroshells, echinoid and bryozoan remains, Ostracods, and Foraminifera) .....	440	1,000
Abundant bryozoan remains, <i>Gyroidina</i> sp., <i>Gypsina</i> sp. at 560.		
<i>Operculinoides</i> sp. at 595.		
<i>Asterocyclina nassauensis</i> , <i>Operculinoides floridensis</i> at 610.		
<i>Amphistegina pinarensis</i> var. at 695-1063.		

**Middle Eocene: Claiborne Group (Undifferentiated):**

Dolomitic limestone: brown, saccharoidal .....	60	1,060
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**Summary:**

Pliocene to Recent (undifferentiated) .....	165	165
In Miocene (undifferentiated) .....	375	540
No samples .....	20	560
In upper Eocene (Ocala limestone) .....	440	1,000
Middle Eocene (Claiborne group, undifferentiated) .....	60	1,060

**Potential Water-Bearing Zones:**

Limestone .....	285	845
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