

**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)
<b>Middle Eocene: Claiborne Group (Undifferentiated):</b>		
Dolomitic limestone: brown, saccharoidal; interbedded limestone, white, fossiliferous.....	370	1,350

**Summary:**

Pliocene to Recent (undifferentiated).....	150	150
Miocene (undifferentiated).....	430	580
Oligocene (undifferentiated).....	20	600
Upper Eocene (Ocala limestone).....	380	980
Middle Eocene (Claiborne group, undifferentiated).....	370	1,350

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained.....	40	150
Sand: fine to coarse-grained.....	60	600
Limestone.....	300	900

**GLYNN COUNTY**

Location: Jekyll Island

Well No.: GGS 431

Owner: No. 1 Jekyll Island (State of Georgia)

Elev.: 12<sup>1</sup>

Driller: M. M. Gray

Drilled: 1955

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

Sand: fine-grained, phosphatic (finely disseminated).....	25	25
Clay: dark-gray, silty, sparsely phosphatic, micaceous, fossiliferous; sand, as above.....	80	105

**Miocene (Undifferentiated):**

Sand: fine to medium-grained, phosphatic.....	20	125
Clay: dark-green, sandy, phosphatic, cherty; interbedded with sand, fine to coarse-grained, phosphatic.....	160	285
Sand: fine to coarse-grained, abundantly phosphatic; interbedded limestone, white, sandy, phosphatic, fossiliferous; dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic; and clay, as above.....	280	565

Dolomitic limestone prominent at 285-295.

Macroshells common at 435-475.

<sup>1</sup>Average elevation based on Georgia State Highway Maps.

