

**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>Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone: white, dense (much calcitized), fossiliferous (bryozoan remains, macroshells, and Foraminifera).....	305	850
<i>Gypsina globula</i> , <i>Asterocyclina nassauensis</i> at 545-555.		
<i>Camerina striatoreticulata</i> at 710-715.		
<i>Amphistegina pinarensis</i> var. at 720-725.		

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

Dolomitic limestone: brown, saccharoidal.....	50	900
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**Summary:**

Pliocene to Recent (undifferentiated).....	40	40
Miocene (undifferentiated).....	485	525
No samples.....	5	530
In Oligocene (undifferentiated).....	15	545
Upper Eocene (Ocala limestone).....	305	850
Middle Eocene (Claiborne group, undifferentiated).....	50	900

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained.....	52	187
Sand: fine to coarse-grained.....	41	310
Sand: fine to coarse-grained.....	140	500
Limestone.....	270	815

**WAYNE COUNTY**

Location: East side of U.S. Highway 25, south side of Altamaha River, at Rayonier Plant  
 Well No.: GGS 297  
 Elev.: 100  
 Owner: No. 1 Rayonier Inc.  
 Driller: Layne-Atlantic Company  
 Drilled: April 1952

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Sand: fine-grained, finely disseminated phosphatic grains; interbedded kaolin, white, somewhat sandy.....	38	38
No samples.....	120	158
<b>In Miocene (Undifferentiated):</b>		
Sand: fine to coarse-grained, rounded, phosphatic.....	60	218
Clay: dark-green, sandy.....	42	260

	Thickness (feet)	Depth (feet)
No samples .....	50	310
Sand: fine to coarse-grained, phosphatic .....	60	370
Sand: as above; interbedded dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic .....	80	450
No samples .....	25	475
Limestone: white, dense (much calcitized), sandy, phosphatic, fossiliferous (fragments and molds of megafossils) .....	16	491
No samples .....	104	595

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

Limestone: cream to white, somewhat saccharoidal (much calcitized), fossiliferous (bryozoan remains and Foraminifera)..... 230 825

*Pseudophragmina flintensis*, *Gypsina globula* at 595-605.

*Asterocyclina nassauensis* at 605-615.

*Amphistegina pinarensis* var. at 765-775.

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

Dolomitic limestone: light-brown, saccharoidal .....
 80 | 905 |

Limestone: light-gray, rather dense (calcitized), fossiliferous  
(Foraminifera) .....
 40 | 945 |

*Miliolidae* abundant at 905-945.

No samples .....
 40 | 985 |

Dolomitic limestone: light-brown to black, saccharoidal .....
 7 | 992 |

**Summary:**

Pliocene to Recent (undifferentiated) .....	38	38
No samples .....	120	153
In Miocene (undifferentiated) .....	333	491
No samples .....	104	595
In upper Eocene (Ocala limestone) .....	230	825
Middle Eocene (Claiborne group, undifferentiated) .....	167	992

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained .....	60	218
Sand: fine to coarse-grained .....	60	370
Limestone .....	230	825