

**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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Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

## WAYNE COUNTY

Location: 0.5 mi. southwest of Mt. Pleasant  
 Owner: No. 1 Southern Pines Products Company  
 Driller: Hughes Specialty Well Drilling Company  
 Drilled: September 1906

Well No.: GGS 96  
 Elev.: 59

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Sand: fine to medium-grained, subangular, finely disseminated phosphatic grains; interbedded clay, dark-gray, silty, lignitic, micaceous, fossiliferous at certain levels (macroshells and echinoid remains).....	40	40
Sand: coarse-grained, subangular, sparsely phosphatic.....	4	44
<b>In Miocene: Duplin Marl:</b>		
Marl: gray to pale-green, somewhat indurated and sandy, fossiliferous (megafossils, echinoid remains, and Ostracods)....	27	71
Shell bed prominent at 69-71.		
<b>Hawthorn Formation:</b>		
Clay: dark-green, rather tough, somewhat indurated, sandy.....	55	126
No samples .....	21	147
Sand: fine-grained .....	13	160
Sand: fine to coarse-grained, phosphatic.....	60	220
Clay: dark-green, sandy, phosphatic.....	65	285
Sand: fine to coarse-grained, phosphatic; interbedded clay, dark-green, sandy, phosphatic.....	115	400
Sand: fine to coarse-grained, phosphatic; interbedded limestone, white, dense, sandy.....	80	480
Dolomitic limestone: light-brown, saccharoidal, sandy, phosphatic.....	30	510
<b>Oligocene (Undifferentiated):</b>		
Limestone: light-gray, dense (much calcitized), crystalline, nodular, fossiliferous (Foraminifera).....	50	560
<i>Rotalia byramensis</i> var. at 510-523.		

	Thickness (feet)	Depth (feet)
<b>Summary:</b>		
Pliocene to Recent (undifferentiated) .....	44	44
In Miocene (Duplin marl) .....	27	71
Miocene (Hawthorn formation) .....	439	510
Oligocene (undifferentiated) .....	50	560

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained .....	60	220
Limestone .....	50	560

**WAYNE COUNTY**

Location: 1500 ft. south of Altamaha River at Doctortown  
 Owner: No. 1 Rayonier Corporation  
 Driller: Layne-Atlantic Company  
 Drilled: January 1952

Well No.: GGS 262  
 Elev.: 100

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Sand: medium-grained to coarse-grained at depth, subangular to subrounded, arkosic; interbedded clay (or kaolin?), white, sandy, micaceous .....	40	40
<b>Miocene (Undifferentiated):</b>		
Clay: pale-brownish-gray to dark-brown at depth, somewhat mottled (with red streaks), sandy, micaceous .....	15	55
Clay: dark to pale green, sandy, phosphatic; beds of sand .....	305	360
Sand: fine to coarse-grained, phosphatic; interbedded limestone, white, dense (much calcitized), sandy, phosphatic .....	140	500
Dolomitic limestone: brown, saccharoidal, sandy, phosphatic .....	25	525
No samples .....	5	530
<b>In Oligocene (Undifferentiated):</b>		
Limestone: gray, dense (much calcitized), nodular, fossiliferous (some Foraminifera) .....	15	545
<i>Operculinoides</i> sp. at 530-545.		