

**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**

	Thickness (feet)	Depth (feet)
<b>Potential Water-Bearing Zones:</b>		
Sand: fine to coarse-grained .....	10	135

**BRANTLEY COUNTY**

Location: 0.25 mi. southeast of Atlantic Coast Line Well No.: GGS 9  
 R.R. crossing in city of Nahunta Elev.: 64  
 Owner: City of Nahunta  
 Driller: Gray Well and Pump Corporation  
 Drilled: August 1938

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Sand: fine-grained, finely disseminated phosphatic grains .....	30	30
Clay: dark-gray, silty, micaceous .....	4	34
Indurated sand: fine to coarse-grained, sparsely phosphatic .....	6	40
Sand: fine to coarse-grained, rounded grains, arkosic .....	10	50
Limestone: light-gray to light-brown, dense (calcitized) nodular, sandy, fossiliferous (casts and impressions of megafossils) .....	10	60
Sand: fine to coarse-grained, arkosic .....	8	68

**Miocene (Undifferentiated):**

Clay: dark-green, sandy, blocky; interbedded tongues of sand, fine to coarse-grained, phosphatic .....	358	426
Black phosphatic pebbles abundant at 150-160.		
Dolomitic limestone: light-brown, saccharoidal, phosphatic; interbedded beds of sand, fine to coarse-grained, phosphatic .....	121	547
Dolomitic limestone prominent at 426-434.		

**Oligocene (Undifferentiated):**

Limestone: gray, dense (much calcitized), nodular, fossiliferous (bryozoan remains and Foraminifera) .....	101	648
<i>Dictyoconus</i> <sup>1</sup> sp. at 600-625.		

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

	Thickness (feet)	Depth (feet)
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**Summary:**

Pliocene to Recent (undifferentiated) .....	68	68
Miocene (undifferentiated) .....	479	547
Oligocene (undifferentiated) .....	101	648

**Potential Water-Bearing Zones:**

Limestone and sand .....	113	547
Limestone .....	101	648

**Remarks:**

Samples of poor quality below 68.

**BRANTLEY COUNTY**

Location: 1.4 mi. north of Atlantic Coast Line R.R. at Well No.: GGS 90

Waynesville, and 0.1 mi. east of county road from Elev.: 60

Waynesville to Browntown

Owner: No. 1 CCC Camp (U. S. Govt.)

Driller: Gray Well & Pump Corporation

Drilled: August 1940

	Thickness (feet)	Depth (feet)
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No samples .....	62	62
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**In Pliocene to Recent (Undifferentiated):**

Limestone: light-gray, dense (much calcitized), very sandy, sparsely phosphatic, fossiliferous (casts and impressions of megafossils) .....	13	75
Sand: fine-grained, finely disseminated phosphatic grains .....	10	85
Clay: gray, sandy, sparse finely disseminated phosphatic grains .....	15	100
Indurated sand: fine to medium-grained, somewhat argillaceous .....	25	125
No samples .....	25	150

**In Miocene (Undifferentiated):**

Clay: dark-green, blocky, sandy, phosphatic, cherty, (at certain levels); interbedded tongues of sand, fine to coarse-grained, phosphatic; stringers of dolomitic limestone; light-brown, saccharoidal, sandy, phosphatic .....	214	364
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Dolomitic limestone prominent at 260-280.

Sand prominent at 304-364.