

GEORGIA
STATE DIVISION OF CONSERVATION
DEPARTMENT OF MINES, MINING AND GEOLOGY
GARLAND PEYTON, Director

THE GEOLOGICAL SURVEY
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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

ATLANTA
1961

	Thickness (feet)	Depth (feet)
Upper Cretaceous: Tuscaloosa Formation:		
Clay: white to gray to brick-red, sandy, lignitic, micaceous; some sand, fine to medium-grained	140	550
Sand: fine to coarse-grained; some thin stringers of clay, gray to pink, sandy, micaceous	61	611

Summary:

Miocene and Oligocene residuum	95	95
In Oligocene (undifferentiated)	4	99
Upper Eocene (Cooper marl)	26	125
Upper Eocene (Barnwell formation, Twiggs clay member)	64	189
Upper Eocene (Ocala limestone, "Tivola tongue")	9	198
Upper Eocene (Barnwell formation, Twiggs clay member)	13	211
Upper Eocene (Ocala limestone, "Tivola tongue")	39	250
Middle Eocene (Gosport sand)	10	260
Middle Eocene (Lisbon formation)	60	320
Lower Eocene(?) and Paleocene(?) (undifferentiated)	90	410
Upper Cretaceous (Tuscaloosa formation)	201	611

Potential Water-Bearing Zones:

Sand: fine to medium-grained	10	260
Sand: fine to coarse-grained	74	394
Sand: fine to coarse-grained	19	534
Sand: fine to coarse-grained	61	611

BLECKLEY COUNTY

Location: At Cary

Well No.: GGS 277

Owner: No. 1 Smith

Driller: H. B. Truluck

Drilled: 1950

	Thickness (feet)	Depth (feet)
No samples	25	25

In Miocene and Oligocene Residuum:

Clay: light-gray to pale-green, cherty at depth; interbedded sand, fine to coarse-grained, limonitic, arkosic	110	135
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Summary:

No samples	25	25
In Miocene and Oligocene residuum	110	135

	Thickness (feet)	Depth (feet)
Potential Water-Bearing Zones:		
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)
Pliocene to Recent (Undifferentiated):		
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> ¹ sp. at 600-625.		

¹Reworked (?) fossil of middle Eocene age.