

**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.....	3	129
Sand: fine to coarse-grained.....	13	208
Sand: fine to coarse-grained.....	13	312
Sand: fine to coarse-grained.....	25	356
Sand: fine to coarse-grained.....	23	421
Sand: fine to coarse-grained.....	34	538

**Remarks:**

Other water-bearing sands are present below depth of 538 (above); but samples are not of sufficient excellence to permit delineation.

**BURKE COUNTY**

Location: Approximately 2.5 mi. east of Greens Cut

Well No.: GGS 316

Owner: No. 2 well Three Creeks Oil Company

Drilled: 1923

	Thickness (feet)	Depth (feet)
No samples.....	128	128

**In Middle Eocene: Claiborne Group: Lisbon Formation:**

Marl: cream to pale yellowish-green, somewhat sandy, glauconitic, limy, with hard lime nodules, fossiliferous (macroshells, echinoid and bryozoan remains, Ostracods, and Foraminifera).....

62 190

*Nonion advena*, *Discorbis georgiana*, *Gyroldina soldanii* var., *Cibicides americanus* var. *antiquus*, *Cibicides pseudo-ungarianus* var., *Cibicides danvillensis*, *Cibicides westi* at 128-144.

Sand: fine to coarse-grained, subangular, sparsely phosphatic.....

24 214

Sand: fine to coarse-grained, subrounded; clay, dark-green, somewhat indurated and fissile, micaceous; claystone, dark-brown, dense, cherty.....

8 222

Sand: as above; clay, dark-green to dark-brown to black, somewhat fissile, micaceous.....

56 278

**In Upper Cretaceous: Tuscaloosa Formation:**

Sand: fine to coarse-grained, subangular, arkosic, many grains coated with red clay.....

40 318

	Thickness (feet)	Depth (feet)
Clay: black, fissile, lignitic, micaceous; sand, as above .....	2	320
Sand: fine to coarse-grained, subangular, abundantly limonitic .....	7	327
Sand: coarse-grained, subangular, arkosic; interbedded kaolin, white, micaceous, sandy .....	35	362
Clay: light-gray to tan to red to purple (mottled), micaceous, sandy .....	53	415
No samples .....	613	1,028

**In Basement Complex (Undifferentiated):**

Crystalline rock: sand and clay; as above .....	3	1,031
Crystalline rock: as above .....	2	1,033?

**Summary:**

No samples .....	128	128
In middle Eocene (Lisbon formation) .....	150	278
In Upper Cretaceous (Tuscaloosa formation) .....	137	415
No samples .....	615	1,028
In basement complex (undifferentiated) .....	5	1,033?

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained .....	44	234
Sand: fine to coarse-grained .....	40	318
Sand: fine to coarse-grained .....	35	362

**BURKE COUNTY**

Location: Near Midville  
 Owner: Midville Consolidated School  
 Driller: Virginia Supply and Well Company  
 Drilled: September 1954

Well No.: GGS 391  
 Elev.: 190

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Clay: olive-green to tan to red (mottled), limonitic, sandy .....	8	8
Clay: red to purple (mottled), sandy .....	52	60

**Upper Eocene: Jackson Group: Barnwell Formation:**

Marl: yellowish-green to brown, carbonaceous, sandy; limestone, white to yellow, rather dense, nodular, saccharoidal,