

**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 Cretaceous: Tuscaloosa Formation:</b>		
Sand: fine to coarse-grained, angular, interbedded with beds of kaolin at various levels .....	240	270
Kaolin, white, sandy, micaceous at 30-45.		
Sand, coarse-grained at 105-165.		
Kaolin, pink, sandy at 165-195.		
Sand, coarse-grained at 195-225.		
Kaolin, mottled, sandy at 225-255.		
Sand, fine to coarse-grained at 255-270.		

**Summary:**

Upper Eocene (Barnwell formation) .....	30	30
Upper Cretaceous (Tuscaloosa formation) .....	240	270

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained .....	15	60
Sand: fine to coarse-grained .....	60	165
Sand: fine to coarse-grained .....	30	225
Sand: fine to coarse-grained .....	15	270

**BIBB COUNTY**

Location: Southwest Macon, about 1.5 mi. east of High-  
way 11 Well No.: GGS 357  
Elev.: 364  
Owner: No. 1, Strietmann Biscuit Company  
Driller: Layne-Atlantic Company  
Drilled: September 1953

Thickness (feet)	Depth (feet)
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**Upper Eocene: Jackson Group: Barnwell Formation:**

Clay: tan to red to purple (mottled), sandy; some sand, fine to coarse grained, arkosic, limonitic .....	41	41
Sand, fine to coarse-grained, arkosic, limonitic at 29-41.		

**Upper Cretaceous: Tuscaloosa Formation:**

Clay: gray to pink to purple (mottled), sandy, micaceous, interbedded with sand, fine to coarse-grained, angular, arkosic .....	203	244
Sand: fine to coarse-grained, angular, arkosic .....	57	301

**Basement Complex (Undifferentiated):**

Crystalline rock .....	2	303
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	Thickness (feet)	Depth (feet)
<b>Summary:</b>		
Upper Eocene (Barnwell formation) .....	41	41
Upper Cretaceous (Tuscaloosa formation) .....	260	301
Basement complex (undifferentiated) .....	2	303

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained .....	5	92
Sand: fine to coarse-grained .....	18	139
Sand: fine to coarse-grained .....	20	166
Sand: fine to coarse-grained .....	23	194
Sand: fine to coarse-grained .....	5	217

**BIBB COUNTY**

Location: City of Macon  
 Owner: No. 1, Dixie Dairies  
 Driller: Layne-Atlantic Company  
 Drilled: October 1953

Well No.: GGS 361  
 Elev.: 305

	Thickness (feet)	Depth (feet)
<b>Upper Cretaceous: Tuscaloosa Formation:</b>		
Sand: fine to coarse-grained, angular, arkosic; some kaolin, white to pink, micaceous, sandy .....	26	26
Sand: fine to coarse-grained, angular, with kaolin inclusions....	100	126
Clay: gray to pink to brick-red, micaceous, sandy .....	46	172
Sand: coarse-grained, arkosic .....	40	212
Sand: as above; with fragments of clay, pale-green, highly micaceous (probably weathered crystalline rock?) .....	37	249

**Basement Complex (Undifferentiated):**

Crystalline rock, much weathered .....	4	253
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**Summary:**

Upper Cretaceous (Tuscaloosa formation) .....	249	249
Basement complex (undifferentiated) .....	4	253

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained .....	100	126
Sand: fine to coarse-grained .....	40	212