

**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>Summary:</b>		
Pliocene to Recent (undifferentiated).....	65	65
Miocene (undifferentiated).....	85	150
Oligocene (undifferentiated).....	105	255
Upper Eocene (Ocala limestone).....	145	400

**Potential Water-Bearing Zones:**

Limestone.....	250	400
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**CHATTAHOOCHEE COUNTY**

Location: Near elevated steel reservoir, Har-  
mon Church, Fort Benning Military Reser-  
vation

Well No.: GGS 18  
Elev.: 445

Owner: U.S. (Army) Govt.

Driller: Layne-Atlantic Company

	Thickness (feet)	Depth (feet)
<b>Upper Cretaceous: Blufftown and Eutaw Formations (Undifferentiated):</b>		
Sand: fine to medium-grained, angular, limonitic, micaceous.....	60	60
Sand: as above; some clay, lignitic, micaceous.....	60	120
Clay: gray to light-brown, lignitic, micaceous, fossiliferous (macroshells).....	140	260
Sand: fine to coarse-grained, crystals of calcium sulfate.....	40	300
Clay: as above, but becoming somewhat mottled at depth; in- terbedded sand, fine to coarse-grained, angular, gypsiferous.....	94	394
<b>In Tuscaloosa Formation:</b>		
Sand: fine to coarse-grained, angular, arkosic.....	90	484
<b>Summary:</b>		
Upper Cretaceous (Blufftown and Eutaw formations, undiffer- entiated).....	394	394
In Upper Cretaceous (Tuscaloosa formation).....	90	484

	Thickness (feet)	Depth (feet)
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**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained.....	40	300
Sand: fine to coarse-grained.....	41	435

**Remarks:**

Ground water derived from water-bearing sand at depth 260-300 is probably mineralized on account of the included crystals of calcium sulfate.

**CHATTAHOOCHEE COUNTY**

Location: South side of Upatoi Creek, west side of Engineering Building, Fort Benning Military Reservation.

Well No.: GGS 332

Elev.: 240

Owner: No. 1 Fort Benning Engineering School

Driller: Layne-Atlantic Company

Drilled: November 1952

	Thickness (feet)	Depth (feet)
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**Upper Cretaceous: Eutaw Formation:**

Sand: yellow, fine to medium-grained, argillaceous.....	5	5
Sand: as above; some clay, gray, micaceous.....	10	15
Sand: fine to coarse-grained, angular, somewhat arkosic.....	27	42

**Tuscaloosa Formation:**

Kaolin: gray to somewhat mottled at depth, micaceous, sandy....	32	74
Sand: fine to coarse-grained, angular, arkosic, micaceous; interbedded clay, gray to pale-green, somewhat waxy, micaceous	233	307

**Summary:**

Upper Cretaceous (Eutaw formation).....	42	42
Upper Cretaceous (Tuscaloosa formation).....	265	307

**Potential Water-Bearing Zones:**

Sand: coarse-grained.....	21	166
Sand: coarse-grained.....	27	213
Sand: coarse-grained.....	39	307