

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

---

**THE GEOLOGICAL SURVEY**  
Bulletin Number 70

---

**WELL LOGS OF THE**  
**COASTAL PLAIN OF GEORGIA**

by

**Stephen M. Herrick, Geologist**  
United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

---

**ATLANTA**  
**1961**

	Thickness (feet)	Depth (feet)
<b>Summary:</b>		
Paleocene (Clayton formation).....	38	38
Upper Cretaceous (Providence sand).....	110	148
Upper Cretaceous (Ripley and Cusseta, undifferentiated).....	67	215
Upper Cretaceous (Blufftown and Eutaw, undifferentiated).....	110	325
Upper Cretaceous (Tuscaloosa formation).....	170	495

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained.....	35	140
Sand: fine to medium-grained.....	30	205
Sand: fine to coarse-grained.....	75	300
Sand: fine to coarse-grained.....	55	415
Sand: fine to coarse-grained.....	30	455
Sand: fine to coarse-grained.....	15	487

**PEACH COUNTY**

Location: In Fort Valley  
 Owner: No. 4 City of Fort Valley  
 Driller: Layne-Atlantic Company  
 Drilled: January 1954

Well No.: GGS 369  
 Elev.: 525<sup>1</sup>

	Thickness (feet)	Depth (feet)
<b>Paleocene: Midway Group: Clayton Formation:</b>		
Clay: brick-red, very sandy, limonitic, and scattered fragments of residual limestone.....	24	24
Sand: fine to coarse-grained, angular.....	8	32
No samples.....	3	35
<b>In Upper Cretaceous: Providence Sand:</b>		
Kaolin: white, micaceous, sandy.....	13	48
Sand: fine to coarse-grained.....	72	120
<b>In Ripley and Cusseta (Undifferentiated):</b>		
Clay: gray to red (mottled), micaceous, sandy.....	90	210
<b>In Blufftown and Eutaw (Undifferentiated):</b>		
Sand: fine to coarse-grained; clay, gray, very micaceous.....	24	234
Clay: gray, silty, very micaceous.....	16	250
Sand: fine to coarse-grained; some clay, as above.....	30	280

<sup>1</sup>Average elevation based on Georgia State Highway Maps.

	Thickness (feet)	Depth (feet)
<b>Tuscaloosa Formation:</b>		
Sand: fine to coarse-grained, arkosic; some clay (or kaolin), gray to pink (mottled), micaceous, sandy	35	315
No samples	11	326
Sand: coarse-grained, arkosic	34	360
No samples	36	396
Sand: fine to coarse-grained	109	505
Clay: gray to brick-red, very micaceous, sandy	12	517

**Summary:**

Paleocene (Clayton formation)	32	32
No samples	3	35
In Upper Cretaceous (Providence sand)	85	120
In Upper Cretaceous (Ripley and Cusseta, undifferentiated)	90	210
In Upper Cretaceous (Blufftown and Eutaw, undifferentiated)	70	280
Upper Cretaceous (Tuscaloosa formation)	237	517

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained	25	145
Sand: fine to coarse-grained	30	190
Sand: fine to coarse-grained	20	230
Sand: fine to coarse-grained	40	320
Sand: fine to coarse-grained	40	410
Sand: fine to coarse-grained	25	480

**Remarks:**

Overall quality of samples poor. Potential water-bearing zones selected from electric log of well.

**PEACH COUNTY**

Location: 1.0 mi. northeast of Central of Georgia R.R. Station, in Fort Valley

Well No.: GGS 426

Elev.: 525<sup>1</sup>

Owner: No. 1 Atlantic Ice Company

Driller: Layne-Atlantic Company

Drilled: April 1955

	Thickness (feet)	Depth (feet)
<b>Paleocene: Midway Group: Clayton Formation:</b>		
Clay: brick-red, sandy, limonitic	20	20

<sup>1</sup>Average elevation based on Georgia State Highway Maps.