

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

Stephen M. Herrick, Geologist
United States Geological Survey



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ATLANTA
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Remarks:

All potential water-bearing sands above depth of 200 feet are probably dry due to local rugged topography and ground-water leakage (springs). Above well should have been drilled deeper in order to penetrate the underlying Providence sand which is known to contain good water-bearing sands.

WEBSTER COUNTY

Location: Well No.: GGS 559
 Owner: No. 1 Webster County Elementary and High School Elev.: 535
 Driller: Southeastern Drilling Company

	Thickness (feet)	Depth (feet)
Residuum:		
Clay: brick-red, very sandy, limonitic.....	10	10
Clay: bluish-gray to yellow to tan to dark-red (mottled), sandy, limonitic	20	30
Middle Eocene: Claiborne Group: Tallahatta Formation:		
Sand: fine to coarse-grained, coarser-grained with depth, very angular, sparsely phosphatic.....	70	100
Lower Eocene: Wilcox Group (Undifferentiated):		
Marl: dark-gray to black, lignitic, pyritiferous, micaceous, glauconitic; some sand, fine to coarse-grained, angular, somewhat arkosic	30	130
Limonite prominent at 100-110.		
Glauconite abundant at 110-120.		
Sand: fine to coarse-grained, angular; some marl, as above.....	10	140
Paleocene: Midway Group: Clayton Formation:		
Clay: light-gray, blocky, carbonaceous, micaceous, silty.....	10	150
Clay: black, fissile, carbonaceous, micaceous (finely disseminated); limestone, cream, dense, crystalline, coarsely glauconitic, pyritiferous, fossiliferous (fragments, casts and molds of megafossils, echinoid and bryozoan remains, Ostracods, and Foraminifera); sand, as above.....	10	160
Limestone: as above.....	20	180
<i>Eponides lotus</i> , <i>Anomalina midwayensis</i> , <i>Discorbis midwayensis</i> , <i>Cibicides howelli</i> at 160-170.		

	Thickness (feet)	Depth (feet)
Limestone: light-gray, dense, crystalline, glauconitic, fossiliferous (fragments, casts and molds of megafossils, echinoid and bryozoan remains, Ostracods, and Foraminifera).....	10	190
Limestone: cream, dense, crystalline, glauconitic, sandy, sandier with depth, fossiliferous (casts and molds of megafossils)	15	205
Sand: fine to coarse-grained, angular.....	10	215

Upper Cretaceous: Providence Sand:

Sand: fine to coarse-grained, angular, arkosic; some clay, gray to red (mottled), sandy, micaceous.....	15	230
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Mica flakes prominent at 220-230.

Summary:

Residium	30	30
Middle Eocene (Tallahatta formation).....	70	100
Lower Eocene (Wilcox group, undifferentiated).....	40	140
Paleocene (Clayton formation).....	75	215
Upper Cretaceous (Providence sand).....	15	230

Potential Water-Bearing Zones:

Sand: fine to coarse-grained.....	10	140
Limestone	45	205
Sand: fine to coarse-grained.....	10	215

WHEELER COUNTY

Location: 3.4 mi. northwest of Southern R.R. Depot at Well No.: GGS 92
 Scotland, west side of north-south county road at Elev.: 243
 dwelling

Owner: No. 1 H. G. Samples

Driller: J. L. Clegg

Drilled: 1943.

Thickness (feet)	Depth (feet)
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Miocene (Undifferentiated):

Clay: mottled, sandy, limonitic	40	40
Clay: light-gray, sandy	65	105
Sand: fine to coarse-grained, angular	73	178
Clay: yellowish-green, sandy	76	254