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

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WELL LOGS OF THE COASTAL PLAIN OF GEORGIA

by

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ATLANTA
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	Thickness (feet)	Depth (feet)
Marl or shale: dark-brown, somewhat fissile, silty, carbonaceous, highly micaceous	19	579
Sand: fine to coarse-grained, angular; interbedded marl, dark-brown, fissile, carbonaceous, silty, highly micaceous	405	984

Summary:

Middle Eocene (Tallahatta formation)	62	62
Lower Eocene (Wilcox group, undifferentiated)	108	170
Paleocene (Clayton formation)	44	214
Upper Cretaceous (post-Tuscaloosa, undifferentiated)	770	984

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	8	170
Sand: fine to coarse-grained	14	232
Sand: fine to coarse-grained	10	332
Sand: fine to coarse-grained	9	349
Sand: fine to coarse-grained	12	394
Sand: fine to coarse-grained	10	408
Sand: fine to coarse-grained	8	470
Sand: fine to coarse-grained	15	604
Sand: fine to coarse-grained	6	630
Sand: fine to coarse-grained	8	692
Sand: fine to coarse-grained	26	754
Sand: fine to coarse-grained	42	800
Sand: fine to coarse-grained	24	914

Remarks:

Owing to local rugged topography, all relatively shallow-lying aquifers are probably dry through ground-water leakage (i.e. spring discharge) and are doubtful sources of ground water.

SUMTER COUNTY

Location: In Andersonville
Owner: No. 1 City of Andersonville
Driller: Layne-Atlantic Company
Drilled: April 1953

Well No.: GGS 342
Elev.: 412

	Thickness (feet)	Depth (feet)
Middle Eocene: Claiborne Group: Tallahatta Formation:		
Clay: mottled, sandy, limonitic	23	23
Sand: fine to medium-grained, angular	60	83
Sand: coarse-grained, angular	5	88

	Thickness (feet)	Depth (feet)
Lower Eocene and Paleocene (Undifferentiated):		
Clay: tan, sandy, micaceous	5	93
Clay: gray, silty, micaceous, lignitic; some clay, bauxitic?, white to pink (mottled), micaceous	10	103
Clay: gray, sandy, micaceous, lignitic	10	113
Clay: white to pink (mottled), bauxitic?, micaceous	20	133
Clay: dark-gray to black, glauconitic, micaceous	3	136
Clay: light-gray, micaceous	5	141
Limestone: gray, dense, crystalline, glauconitic, fossiliferous (megafossils and bryozoan remains)	41	182
Upper Cretaceous: Providence Sand:		
Clay: red, micaceous, sideritic	13	195
Sand: coarse-grained, angular, many grains of "rose quartz"	21	216
Summary:		
Middle Eocene (Tallahatta formation)	88	88
Lower Eocene and Paleocene (undifferentiated)	94	182
Upper Cretaceous (Providence sand)	34	216
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	21	216

SUMTER COUNTY

Location: Near Americus Well No.: GGS 440
Owner: No. 1 International Minerals Corp.
Driller: Southeastern Drilling Company

	Thickness (feet)	Depth (feet)
Middle Eocene: Claiborne Group: Tallahatta Formation:		
Clay: olive-green to tan to red (mottled), very sandy, limonitic	10	10
Lower Eocene: Wilcox Group (Undifferentiated):		
Sand: fine to medium-grained, subangular, glauconitic; clay, dark-gray, micaceous, silty, carbonaceous	30	40