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

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ATLANTA
1961

	Thickness (feet)	Depth (feet)
Upper Cretaceous: Providence Sand:		
Sand: fine to coarse-grained, somewhat angular	7	338
Marl: bluish-gray, silty, chalky, micaceous, pyritiferous, fossiliferous (some Foraminifera)	13	351
Anomalina pseudopapillosa, Epistomina caracolla at 338-346.		
Summary:		
Middle Eocene (Claiborne group, undifferentiated)	64	64
Lower Eocene (Wilcox group, undifferentiated)	92	156
Paleocene (Clayton formation)	175	331
Upper Cretaceous (Providence sand)	20	351
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	91	237
Limestone	73	310
Sand: fine to coarse-grained	7	338

RICHMOND COUNTY

Location: Augusta
Owner: No. 1 Georgia Training School (Circular Court)
Driller: Virginia Machine and Well Company
Drilled: February 1940
Well No.: GGS 129
Elev.: 136

	Thickness (feet)	Depth (feet)
No samples	9	9
In Upper Cretaceous: Tuscaloosa Formation:		
Kaolin: white, micaceous, sandy; interbedded sand, fine to coarse-grained, angular, arkosic	131	140
Sand: medium to coarse-grained, angular, arkosic, with inclusions of kaolin (clay balls)	18	158
Kaolin: yellow to white, micaceous, very sandy, limonitic	4	162
Brown limonitic pellets prominent at 160-162.		
Basement Complex (Undifferentiated):		
Clay: bluish-gray, sandy, highly micaceous	13	175
Crystalline rock	154	329

	Thickness (feet)	Depth (feet)
Summary:		
No samples	9	9
In Upper Cretaceous (Tuscaloosa formation)	153	162
Basement complex (undifferentiated)	167	329
Potential Water-Bearing Zones:		
Sand: medium to coarse-grained	18	158
Fractures and voids in Basement complex	154	329

RICHMOND COUNTY

Location: Augusta
Owner: No. 2, Georgia Training School (Circular Court)
Driller: Virginia Machine and Well Company
Drilled: May 1940

Well No.: GGS 130
Elev.: 136

	Thickness (feet)	Depth (feet)
Upper Cretaceous: Tuscaloosa Formation:		
Sand: fine to coarse-grained, brown, argillaceous, arkosic	10	10
Kaolin: gray to cream, micaceous	15	25
Kaolin: brick-red, micaceous, very sandy, limonitic	25	50
Kaolin: gray to pink, micaceous, sandy	45	95
Kaolin: white to gray to yellow, micaceous	40	135
Sand: fine to medium-grained, angular with inclusions of kaolin (clay balls)	10	145
Kaolin: gray to yellow to tan to red, micaceous, sandy	50	195
Sand: fine to coarse-grained, angular, with inclusions of kaolin (clay balls)	20	215
Kaolin: white to gray to yellow to pink, very sandy, micaceous	80	295
Sand: fine to coarse-grained, angular, arkosic	10	305
Basement Complex (Undifferentiated):		
Clay: olive-green to tan, sandy, highly micaceous	20	325
Clay: as above, but dark bluish-green	5	330
Crystalline rock	870	1,200