

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
1961

	Thickness (feet)	Depth (feet)
Sand: coarse-grained to finer-grained at depth, angular, arkosic	20	230
Upper Cretaceous: Providence and Ripley (Undifferentiated):		
Sand: fine-grained	10	240
Sand: as above; clay, light-gray, silty, micaceous, more pyritiferous and fossiliferous at depth	50	290
<i>Anomalina pseudopapillosa</i> at 280-290.		
Sand: gray, medium-grained, indurated, fossiliferous (fragments and molds of macroshells)	50	340
Marl: dark-gray, silty, micaceous, fossiliferous	70	410
<i>Epistomina caracolla</i> , <i>Planulina correcta</i> , <i>Planulina natchochensis</i> at 340-350.		

Summary:

Residuum	30	30
Middle Eocene (Tallahatta formation)	20	50
Lower Eocene (Wilcox group, undifferentiated)	50	100
Paleocene (Clayton formation)	130	230
Upper Cretaceous (Providence and Ripley, undifferentiated)	180	410

Potential Water-Bearing Zones:

Sand: coarse-grained	10	50
Sand: fine to coarse-grained	50	150
Limestone	30	210
Sand: fine to coarse-grained	20	230

TALBOT COUNTY

Location: Near Geneva
 Owner: No. 1 Geneva School
 Driller: Layne-Atlantic Company
 Drilled: September 1954

Well No.: GGS 403
 Elev.: 575

	Thickness (feet)	Depth (feet)
Upper Cretaceous: Tuscaloosa Formation:		
Sand: yellow to light-tan, somewhat argillaceous, fine to coarse-grained, angular	5	5
Clay (or kaolin): white to gray to red (mottled), very sandy, arkosic	13	18

	Thickness (feet)	Depth (feet)
Sand: fine to coarse-grained, somewhat argillaceous, arkosic.....	15	33
Clay (or kaolin): white to gray to red (mottled), sandy.....	11	44
Clay: tan to olive-green to red (somewhat mottled), mica- ceous, sandy, arkosic.....	54	98
Sand: medium to coarse-grained, angular, arkosic.....	38	136
Clay: brick-red, very sandy, micaceous.....	10	146
Sand: medium to coarse-grained, angular, arkosic.....	11	157
Sand: as above but somewhat argillaceous.....	19	176

Summary:

Upper Cretaceous (Tuscaloosa formation).....	176	176
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Potential Water-Bearing Zones:

Sand: fine to coarse-grained.....	15	33
Sand: medium to coarse-grained.....	38	136
Sand: medium to coarse-grained.....	11	157

TATTNALL COUNTY

Location: North side of prison yard, few yards east of
elevated steel water tank, at Tattnall State Prison
Owner: No. 2 Tattnall State Prison
Driller: Virginia Machine and Well Company
Drilled: 1949

Well No.: GGS 180
Elev.: 187

Thickness (feet)	Depth (feet)
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Pliocene to Recent (Undifferentiated):

Sand: fine to medium-grained, arkosic, finely disseminated phosphatic grains; some gray clay and white kaolin.....	30	30
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Miocene (Undifferentiated):

Clay: pale-green, sandy; interbedded sand, fine to coarse- grained, arkosic, phosphatic at depth.....	70	100
Gray phosphatic pebbles prominent at 90-100.		
Clay: gray to pale-green, sandy, phosphatic.....	40	140
Sand: fine to coarse-grained, phosphatic.....	40	180
Clay: pale-green, sandy, phosphatic.....	20	200