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

Stephen M. Herrick, Geologist
United States Geological Survey

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ATLANTA
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TWIGGS COUNTY

Location: Approximately 1 mi. south of Dry Branch, 1.5 mi. east of U.S. Highway 80 — Well No.: GGS 415
Elev.: 430
Owner: Georgia Kaolin Company
Driller: Layne-Atlantic Company
Drilled: March 1955

	Thickness (feet)	Depth (feet)
Upper Eocene: Jackson Group: Barnwell Formation:		
Sand: fine to medium-grained, gray, argillaceous	24	24
Sand: fine to coarse-grained, angular, somewhat arkosic	20	44
Upper Cretaceous: Tuscaloosa Formation:		
Kaolin: micaceous, somewhat sandy	21	65
Sand: fine to coarse-grained, angular, arkosic	117	182
Kaolin: mottled, micaceous, somewhat sandy	12	194
Sand: coarse-grained, angular; kaolin, white	14	208
Clay: brick-red, micaceous, sandy	23	231
Sand: fine to coarse-grained, angular, arkosic	141	372
Summary:		
Upper Eocene (Barnwell formation)	44	44
Upper Cretaceous (Tuscaloosa formation)	328	372
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	100	331

Remarks:

Well samples of poor quality.

TWIGGS COUNTY

Location: Northeastern part of county, 1.75 mi. southeast of Liberty Church which is 0.75 mi. east of Myerick's Pond — Well No.: GGS 416
Elev.: 380
Owner: No. 23 Georgia Kaolin Co.
Driller: Layne-Atlantic Company
Drilled: March 1955

	Thickness (feet)	Depth (feet)
Upper Eocene: Jackson Group: Barnwell Formation:		
Clay: mottled, very sandy, limonitic	6	6

	Thickness (feet)	Depth (feet)
Marl: light-gray, silty, glauconitic	17	23
Sand: fine to coarse-grained, angular, phosphatic; interbedded marl, as above	45	68
Sand: fine to coarse-grained, angular	22	90
Upper Cretaceous: Tuscaloosa Formation:		
Clay: light-gray, sandy, micaceous	10	100
Sand: fine to coarse-grained, angular, somewhat arkosic; interbedded clay, as above	85	185
Sand: coarse-grained, angular, arkosic; interbedded thin beds of kaolin	248	433
Summary:		
Upper Eocene (Barnwell formation)	90	90
Upper Cretaceous (Tuscaloosa formation)	343	433
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	228	413

Remarks:

Well samples of poor quality.

WARE COUNTY

Location: At Airport, City of Waycross
Owner: No. 1 Waycross Airport
Driller: Layne-Atlantic Company

Well No.: GGS 36
Elev.: 142

Pliocene to Recent (Undifferentiated):		
Sand: fine to coarse-grained, finely disseminated phosphatic grains	15	15
Clay: pale-green to red (mottled), sandy	10	25
Sand: medium to coarse-grained, arkosic	17	42
Sand: as above; clay, tan to red (mottled), sandy; fragments of limestone, light-gray, dense, sandy	20	62
Miocene (Undifferentiated):		
Clay: dark-green, sandy; interbedded sand, fine to coarse-grained, phosphatic	265	327