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)
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	20	434

STEWART COUNTY

Location: 1.5 mi. east of road junction in Omaha, north side of east-west secondary road
Owner: No. 1 Omaha School
Driller: Layne-Atlantic Company
Drilled: February 1956

Well No.: GGS 478
Elev.: 318

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Clay: bluish-gray to tan to brick-red (mottled), very sandy, limonitic	11	11
Sand: very coarse-grained (subgravel size), angular, arkosic	17	28
Upper Cretaceous: Ripley Formation:		
Marl: dark bluish-gray, carbonaceous, micaceous, phosphatic, pyritiferous, fossiliferous (macroshells, Ostracods, and Foraminifera); sideritic and glauconitic at depth	66	94
Robulus stephensoni at 68-78.		
Glauconite common at 88-94.		
Cusseta Sand:		
Sand: fine to coarse-grained, subangular, fossiliferous (macroshells)	20	114
Blufftown Formation:		
Marl: as above; interbedded at widely separated intervals with beds of indurated sand, dark-gray, rather dense and crystalline, micaceous, glauconitic (finely disseminated)	197	311
Vaginulina texana at 188-198.		
Vaginulina texana, Marginulina sp. at 290-300.		

Summary:

Pliocene to Recent (undifferentiated)	28	28
Upper Cretaceous (Ripley formation)	66	94
Upper Cretaceous (Cusseta sand)	20	114
Upper Cretaceous (Blufftown formation)	197	311

	Thickness (feet)	Depth (feet)
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	20	114

Remarks:

The best aquifers (sand) in this area occur much deeper than the total depth of this well. Such aquifers belong to the more deeply buried Eutaw and Tuscaloosa formations.

SUMTER COUNTY

Location: Northeastern part of County, near Flint River, few hundred yd. south of Creek Branch, east side of north-south County Road — Well No.: GGS 137 — Elev.: 278
Owner: No. 6 USGS Test Hole
Driller: Scott Bros.
Drilled: August 1946

	Thickness (feet)	Depth (feet)
Residuum:		
Clay: mottled, very sandy, limonitic	20	20
Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: cream, glauconitic at depth, sandy, fossiliferous (macroshells and Foraminifera at certain levels)	26	46
Lepidocyclina sp., *Gypsina globula* at 30-40.		
Middle Eocene: Claiborne Group: Lisbon Formation:		
Marl: light-gray, sandy, glauconitic (finely disseminated grains), fossiliferous (macroshells, bryozoan remains, and Foraminifera); interbedded limestone, cream, dense, sandy, glauconitic, fossiliferous (macroshells)	44	90
Gyroidina soldanii var., *Siphonina claibornensis, Cibicides westi* at 46-50 core.		
Tallahatta Formation:		
Sand: fine to coarse-grained, angular, phosphatic, fossiliferous (a coquina)	100	190
Limestone: gray, dense, sandy, glauconitic, fossiliferous (macroshells)	10	200