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

Stephen M. Herrick, Geologist
United States Geological Survey

Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

	Thickness (feet)	Depth (feet)
Summary:		
No samples	60	60
In Pliocene to Recent (undifferentiated)	10	70
Miocene (undifferentiated)	230	300
Oligocene (undifferentiated)	60	360
Upper Eocene (Ocala limestone)	334	694
Middle Eocene (Lisbon formation)	242	936
Middle Eocene (Tallahatta formation)	20	956
Potential Water-Bearing Zones:		
Limestone	526	826

CHATHAM COUNTY

Location: Isle of Hope
Driller: A. E. Cory and Son
Drilled: 1956

Well No.: GGS 535
Elev.: 16[1]

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine-grained to coarser-grained at depth, finely disseminated phosphatic grains; interbedded clay, dark-gray to black, somewhat fissile, lignitic, micaceous, fossiliferous (megafossils at certain levels)	50	50
Macroshells prominent at 15-30.		
Miocene (Undifferentiated):		
Clay: dark-green, sandy, much sandier at depth, phosphatic	140	190
Limestone: light-gray to light-brown, very dense (much calcitized), sandy, phosphatic, dolomitized at certain levels, fossiliferous (casts and molds of megafossils)	45	235
Oligocene (Undifferentiated):		
Limestone: light-gray, dense (much calcitized), granular, crystalline, sandy, fossiliferous (some echinoid remains and Foraminifera)	45	280
Rotalia mexicana var., *Quinqueloculina* sp. at 240-250.		
Dictyoconus[2] sp., *Nonionella hantkeni* var. at 260-270.		

[1]Average elevation taken from State Highway map.
[2]Reworked(?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
Limestone: cream, rather massive, somewhat oolitic, fossiliferous (casts and molds of megafossils and some Foraminifera)	40	320

Summary:

Pliocene to Recent (undifferentiated)	50	50
Miocene (undifferentiated)	185	235
Oligocene (undifferentiated)	85	320

Potential Water-Bearing Zones:

Limestone	85	320

CHATHAM COUNTY

Location: Mendel Avenue, Savannah
Owner: No. 1 M. P. Linskey
Driller: H. L. Penton
Drilled: 1958

Well No.: GGS 561
Elev.: 17

	Thickness (feet)	Depth (feet)
No samples	15	15
In Pliocene to Recent (Undifferentiated):		
Sand: fine-grained, subangular, sparsely phosphatic; some clay, dark-gray to dark-green, silty, micaceous, carbonaceous, fossiliferous (macroshells)	70	85
First observed macroshells at 20-25.		
Miocene (Undifferentiated):		
Clay: dark-green, blocky, sandy, phosphatic; interbedded sand, fine to medium-grained, subangular, phosphatic	105	190
Reddish-brown to jet-black phosphatic pebbles common at 85-100.		
Light-brown, saccharoidal, sandy, phosphatic, dolomitic limestone at 190.		
Clay: yellowish-green, blocky, tough, sandy, phosphatic; interbedded sand, fine to medium-grained, subangular, phosphatic	38	228
No samples	2	230