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
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	Thickness (feet)	Depth (feet)
Clay: pale-green, blocky, sandy, phosphatic and fossiliferous at depth (macroshells); interbedded sand, fine to medium-grained, angular	385	425
Black phosphatic pebbles common at 280-310.		
Macroshells prominent at 410-425.		
Limestone: gray, sandy, fossiliferous (casts and molds of megafossils)	60	485
Archaias sp. at 425-435.		

Summary:

Miocene (undifferentiated)	485	485

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	10	410
Limestone	60	485

Remarks:

Better and more productive water-bearing limestones lie deeper than the total depth (485) of above well.

COFFEE COUNTY

Location: Southern part of County, about 12 mi. south of Ambrose, in Heabern
Owner: No. 1 Heabern School
Driller: H. B. Truluck
Drilled: October 1951

Well No.: GGS 243
Elev.: 198

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: bluish-gray to red (mottled), sandy, limonitic	20	20
Clay: light-gray, blocky, cherty at certain horizons, sandy, phosphatic at depth; interbedded sand, fine to coarse-grained, angular	220	240
Light-gray phosphatic pebbles at 130-140.		
Black phosphatic pebbles at 190-200.		
Dolomitic limestone: light-brown, saccharoidal	40	280
Chert bed	10	290

	Thickness (feet)	Depth (feet)
Summary:		
Miocene (undifferentiated)	290	290
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	10	110
Dolomitic limestone	40	280

Remarks:

Dolomitic limestone yields mineralized water. The above well should have been drilled deeper in order to obtain water from Oligocene and upper Eocene limestones.

COFFEE COUNTY

Location: In Nicholls
Owner: City of Nicholls
Driller: M. M. Gray Drilling Company
Drilled: 1955

Well No.: GGS 434
Elev.: 180[1]

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: bluish-gray to red (mottled) sandy, limonitic	30	30
Sand: fine to coarse-grained, angular, arkosic	40	70
Clay: pale-green, sandy, phosphatic at depth; interbedded sand, fine to medium-grained, angular	110	180
Clay: light-gray to pale-green, blocky, sandy, phosphatic	110	290
Limestone: white, dense, crystalline, much calcitized, sandy	30	320
Clay: as above, but somewhat sandier	30	350
Limestone: white, dense, crystalline, much calcitized, sandy, phosphatic, fossiliferous (casts and molds of megafossils)	20	370
No. samples	20	390
Limestone: as above	10	400

[1]Average elevation taken from State Highway map.