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)
Oligocene (Undifferentiated):		
Limestone: cream, nodular, much calcitized, fossiliferous (macroshells, bryozoan remains, and some Foraminifera)	10	575
Rotalia mexicana var., *Argyrotheca* sp., *Operculinoides*[2] sp., and macroshells common at 575-585.		
Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: white, rather dense (calcitized), fossiliferous (macroshells, echinoid and bryozoan remains, and Foraminifera)	131	706
Operculinoides sp. at 575-585.		
Gypsina globula at 635-645.		

Summary:

Pliocene to Recent (undifferentiated)	105	105
Miocene (undifferentiated)	460	565
Oligocene (undifferentiated)	10	575
Upper Eocene (Ocala limestone)	131	706

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	20	175
Sand: fine to coarse-grained	50	495
Limestone	131	706

GLYNN COUNTY

Location: Jekyll Island
Owner: No. 2 Jekyll Island (State of Georgia)
Driller: M. M. Gray
Drilled: 1955

Well No.: GGS 452
Elev.: 12[1]

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine-grained, finely disseminated phosphatic grains; interbedded clay, dark-gray, silty, lignitic, micaceous, fossiliferous	50	50
Sand: fine to coarse-grained, rounded, phosphatic; limestone, dark-gray, dense (much calcitized), sandy, sparsely phosphatic	10	60
Clay: yellowish-green to cream, very sandy	45	105

[1]Average elevation based on Georgia State Highway Maps.
[2]Reworked (?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: dark-green, sandy, blocky, phosphatic, cherty at certain levels; interbedded sand, fine to coarse-grained, phosphatic	145	250
Sand: fine to coarse-grained, phosphatic; interbedded limestone, white, sandy, phosphatic, fossiliferous; dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic; clay, dark-green, silty	300	550
Dolomitic limestone common at 250-260.		
Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: light-gray, dense (calcitized), fossiliferous (macroshells, bryozoan remains, and Foraminifera)	150	700
Operculinoides floridensis at 550-560.		
Summary:		
Pliocene to Recent (undifferentiated)	105	105
Miocene (undifferentiated)	445	550
Upper Eocene (Ocala limestone)	150	700
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	10	60
Sand: fine to coarse-grained	50	400
Limestone	150	700

GLYNN COUNTY

Location: Brunswick — Well No.: GGS 530
Owner: Allied Chemical Company, Solvay Process Division — Elev.: 15[1]
Driller: Layne-Atlantic Company
Drilled: 1955

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine-grained, finely disseminated phosphatic grains; interbedded clay, dark-gray, fissile, lignitic, micaceous, fossiliferous at certain levels	65	65
Limestone: dark-gray, dense (much calcitized), sandy, phosphatic, fossiliferous	15	80
Clay: gray, somewhat indurated, sandy, containing coarse grains of quartz	15	95
Sand: medium to very coarse-grained, rounded, phosphatic	55	150

[1]Average elevation based on Georgia State Highway Maps.