

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



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ATLANTA
1961

GLYNN COUNTY

Location: 0.25 mi. north of Glynn-Camden County line, Well No.: GGS.376,
 west side of Highway 17 Elev.: 20
 Owner: No. 1 C. E. P. Curry (derrick floor)
 Driller: E. B. LaRue Drilling Company
 Drilled: 1955

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine-grained, phosphatic, finely disseminated phosphatic grains; interbedded with thin stringers of clay, dark-brown, fissile, silty, lignitic, micaceous, fossiliferous	20	20
Indurated sand: fine to medium-grained, fossiliferous	15	35
Limestone: light-gray, dense (much calcitized), sandy, sparsely phosphatic, fossiliferous (casts and impressions of megafossils)	65	100
Clay: dark-gray, silty	10	110
Sand: very coarse-grained, rounded, phosphatic	40	150
Miocene (Undifferentiated):		
Clay: dark-green, sandy, phosphatic, cherty (at certain horizons); interbedded with sand, fine to coarse-grained, phosphatic	190	340
Dolomitic limestone: light-brown, saccharoidal, sandy, coarsely phosphatic; some clay as above	60	400
Clay: dark-green, silty; with sand, fine to coarse-grained, phosphatic	40	440
Sand: fine to coarse-grained, phosphatic; interbedded limestone, dense (calcitized); sandy, phosphatic, fossiliferous (molds, impressions, and fragments of megafossils)	140	580
Oligocene (Undifferentiated):		
Lithology as in interval 440-580; fragments of limestone, light-gray, dense (calcitized), nodular, fossiliferous (Foraminifera scarce)	20	600
<i>Rotalia byramensis</i> var. at 580-600.		
Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: dense (calcitized), fossiliferous, dolomitized at depth	310	910
Bryozoan remains and macroshells at 600-620.		
<i>Operculinoides</i> sp., <i>Gypsina globula</i> at 620-640.		
<i>Pseudophragmina flintensis</i> at 640-660.		
Dolomitic limestone: brown, saccharoidal	70	980

	Thickness (feet)	Depth (feet)
Middle Eocene: Claiborne Group (Undifferentiated):		
Dolomitic limestone: brown, saccharoidal; interbedded limestone, white, fossiliferous	370	1,350

Summary:

Pliocene to Recent (undifferentiated)	150	150
Miocene (undifferentiated)	430	580
Oligocene (undifferentiated)	20	600
Upper Eocene (Ocala limestone)	380	980
Middle Eocene (Claiborne group, undifferentiated)	370	1,350

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	40	150
Sand: fine to coarse-grained	60	600
Limestone	300	900

GLYNN COUNTY

Location: Jekyll Island

Well No.: GGS 431

Owner: No. 1 Jekyll Island (State of Georgia)

Elev.: 12¹

Driller: M. M. Gray

Drilled: 1955

	Thickness (feet)	Depth (feet)
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Pliocene to Recent (Undifferentiated):

Sand: fine-grained, phosphatic (finely disseminated)	25	25
Clay: dark-gray, silty, sparsely phosphatic, micaceous, fossiliferous; sand, as above	80	105

Miocene (Undifferentiated):

Sand: fine to medium-grained, phosphatic	20	125
Clay: dark-green, sandy, phosphatic, cherty; interbedded with sand, fine to coarse-grained, phosphatic	160	285
Sand: fine to coarse-grained, abundantly phosphatic; interbedded limestone, white, sandy, phosphatic, fossiliferous; dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic; and clay, as above	280	565

Dolomitic limestone prominent at 285-295.

Macroshells common at 435-475.

¹Average elevation based on Georgia State Highway Maps.