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

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ATLANTA
1961

CHATHAM COUNTY

Location: 175 ft. north of Waltz Drive and 0.25 mi. west of crossroads (Waltz Drive and Toussaint Avenue), in Savannah
Well No.: GGS 379
Elev.: 25
Owner: City of Savannah
Driller: Layne-Atlantic Company
Drilled: April 1954

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine to medium-grained, finely disseminated phosphatic grains; interbedded clay, dark-brown, silty, lignitic, micaceous	80	80
In Miocene (Undifferentiated):		
Clay: dark-green, silty, abundantly phosphatic at depth, finely disseminated flakes of mica	120	200
Dolomitic limestone: light-brown, saccharoidal, sandy, phosphatic; limestone, light-gray, dense (much calcitized), sandy, phosphatic, fossiliferous (molds and impressions of megafossils)	35	235
In Oligocene (Undifferentiated):		
Limestone: light-gray, dense (much calcitized), nodular, fossiliferous (echinoid and bryozoan remains, Ostracods, and Foraminifera)	108	343
Rotalia mexicana var., *Nonion advena*, *Cibicides americanus* var., *Cibicides lobatulus* at 221-250.		
In Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: light-gray to white at depth, crystalline (much calcitized), somewhat nodular, massive, fossiliferous (molds and casts of megafossils, abundant bryozoan remains, and some Foraminifera)	91	434
Operculinoides cf. *O. floridensis*, *Gypsina vesicularis*, *Nodosaria latejugata* var., *Argyrotheca* sp. at 313-373.		
Asterocyclina nassauensis, *Gypsina globula*, *Siphonina jacksonensis* at 373-434.		
Limestone: cream, somewhat crystalline (calcitized), fossiliferous (abundant echinoid spines, bryozoan remains, and Foraminifera)	356	790
Camerina striatoreticulata, *Operculina mariannensis*, *Lepidocyclina (Polylepidina) antillea*[1] at 524-615.		

[1]Reworked(?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
Middle Eocene: Claiborne Group (Undifferentiated):		
Limestone: cream, crystalline, granular (highly calcitized), coarsely glauconitic, fossiliferous (abundant bryozoan remains, and some Foraminifera)	160	950
Cancris sp., *Gyroidina soldanii* var., *Siphonina claibornensis, Cibicides mississippiensis, Cibicides pippeni* var. at 790-800.		
Asterocyclina monticellensis, Cibicides pseudoungerianus var. *lisbonensis* at 800-810.		
Cibicides westi at 830-840.		
Limestone: cream, crystalline, granular (highly calcitized), cherty	50	1,000
Brown chert abundant at 950-960.		
Summary:		
Pliocene to Recent (undifferentiated)	80	80
In Miocene (undifferentiated)	155	235
In Oligocene (undifferentiated)	108	343
In upper Eocene (Ocala limestone)	447	790
In middle Eocene (Claiborne group, undifferentiated)	210	1,000
Potential Water-Bearing Zones:		
Limestone	515	750

Remarks:

Sample intervals too large to permit accurate picking of formational tops.

CHATHAM COUNTY

Location: Fairway Oaks Development, southwest of DeRenne and Waters Avenues, opposite golf course, in Savannah
Well No.: GGS 380
Elev.: 14
Owner: No. 1 T. T. Dunn
Driller: Layne-Atlantic Company

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine-grained, finely disseminated phosphatic grains	5	5
Sand: fine to medium-grained, arkosic	10	15