

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
1961

CHATHAM COUNTY

Location: Cherokee Hill, Port Wentworth
 Owner: No. 1 Port Wentworth
 Driller: Mineral Development Company
 Drilled: October 1955

Well No.: GGS 506
 Elev.: 43

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine-grained, phosphatic (finely disseminated), arkosic; interbedded clay, dark-gray, somewhat indurated, silty, carbonaceous, micaceous	45	45
Sand: coarse-grained, subrounded, arkosic	2	47
Miocene (Undifferentiated):		
Clay: dark-green, sandy, phosphatic, micaceous, cherty (at depth)	214	261
Reddish-brown phosphatic fragments and dark-green chert prominent at 175-180.		
Dolomitic limestone: light-brown, saccharoidal, sandy	4	265
Limestone: light-gray to white, sandy, phosphatic, fossiliferous (fragments and molds of megafossils, echinoid and bryozoan remains, and some Foraminifera)	5	270
<i>Elphidium</i> sp., <i>Discorbis subaraucana</i> at 268-270.		
Oligocene (Undifferentiated):		
Limestone: cream, somewhat soft and chalky (weathered), fossiliferous (casts and molds of megafossils, echinoid and bryozoan remains, and some Foraminifera)	35	305
<i>Quinqueloculina</i> sp., <i>Pyrgo</i> sp., <i>Nonionella hantkeni</i> var., <i>Rotalia mexicana</i> var. at 271-273.		
<i>Asterocyclina</i> ¹ sp., <i>Gypsina globula</i> ¹ , <i>Lepidocyclina</i> (<i>Poly-lepidina</i>) <i>antillea</i> ¹ at 288-293.		
Limestone: cream to yellowish-brown, saccharoidal, rather massive, fossiliferous (fragments and molds of Gastropods, echinoid and bryozoan remains, and Foraminifera)	53	358
<i>Dictyoconus</i> ¹ sp., <i>Discorbis?</i> sp., <i>Gypsina globula</i> ¹ , <i>Quinqueloculina</i> sp. at 305-310.		
<i>Quinqueloculina</i> sp. abundant at 330-335.		

¹Reworked (?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: light-gray to white at depth, massive, crystalline (much calcitized), fossiliferous (abundant bryozoan remains and some Foraminifera).....	142	500
<i>Asterocyclina</i> sp. at 355-360.		
<i>Operculinoides</i> cf. <i>O. floridensis</i> at 370-380.		
<i>Asterocyclina nassauensis</i> at 410-420.		
<i>Pseudophragmina flintensis</i> at 490-500.		
Limestone: cream, granular, sparsely but coarsely glauconitic, sandy (at depth), fossiliferous (abundant echinoid and bryozoan remains and abundant "larger Foraminifera"; interbedded saccharoidal limestone, light-gray, massive, crystalline, sparsely but coarsely glauconitic, fossiliferous (abundant echinoid and bryozoan remains and abundant "larger Foraminifera")	230	730
<i>Lepidocyclina (Polylepidina)</i> sp., <i>Asterocyclina monticellensis</i> at 510-520.		
<i>Asterocyclina</i> sp., <i>Camerina striatoreticulata</i> prominent at 530-540.		
Middle Eocene: Claiborne Group: Lisbon Formation:		
Limestone: white to light-gray, massive, crystalline, coarsely but sparsely glauconitic, fossiliferous (fragments, casts and molds of megafossils, abundant echinoid and bryozoan remains, and some Foraminifera); interbedded calcitized limestone, light-gray, saccharoidal.....	160	890
<i>Lepidocyclina antillea?</i> at 730-740.		
<i>Asterocyclina monticellensis</i> at 740-750.		
<i>Gyroidina nassauensis</i> , <i>Discorbis inornatus</i> at 804 (core).		
<i>Cibicides westi</i> , <i>Cibicides pseudoungerianus</i> var. <i>lisbonensis</i> at 820 (core).		
Macroshells abundant at 860-890.		
Limestone: cream, granular, somewhat saccharoidal, rather loosely consolidated, sparsely glauconitic, pyritiferous, cherty	110	1,000
Brown chert prominent at 920-930.		
Tallahatta Formation:		
Marl: light-gray, partially indurated, coarsely glauconitic (abundantly glauconitic at certain levels), fossiliferous, (some Foraminifera at certain horizons).....	88	1,088
<i>Cibicides blanpiedi</i> at 1006.		
<i>Cibicides blanpiedi</i> , <i>Cibicides tallahattensis</i> at 1079.		

