

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

WAYNE COUNTY

Location: Odum
 Owner: City of Odum
 Driller: M. M. Gray
 Drilled: 1955

Well No.: GGS 454
 Elev.: 155¹

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine to coarse-grained, angular, arkosic; interbedded clay, light-gray to pale-green, sandy.....	120	120
Mottled sandy clay at 0-10.		
Coarse-grained arkosic sand at 60-70.		
Tubular worm borings (?) prominent at 80-100.		
Fine to coarse-grained, angular, arkosic sand at 100-120.		

Miocene (Undifferentiated):

Clay: pale-green, sandy, phosphatic; interbedded sand, fine to coarse-grained, phosphatic; clay, pale-green, sandy, phosphatic; dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic; and limestone, white, sandy, coarsely phosphatic, fossiliferous (macroshells).....	470	590
Dolomitic limestone, light-brown, sandy, phosphatic at 300-350, 400-430, 490-510, and 580-590.		

Oligocene (Undifferentiated):

Limestone: gray, extremely dense (highly calcitized), nodular, fossiliferous (some Foraminifera).....	50	640
<i>Rotalia byramensis</i> var., <i>Lepidocyclina</i> sp. at 610-620.		
<i>Miliolidae</i> common, <i>Dictyoconus</i> ² sp. at 620-630.		

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: as above, very fossiliferous (macroshells, bryozoan remains, and Foraminifera).....	70	710
<i>Operculinoides</i> sp. at 640-650.		
<i>Operculinoides</i> cf. <i>O. floridensis</i> at 660-670.		
<i>Operculinoides</i> sp. abundant, <i>Asterocyclina nassauensis</i> , <i>Pseudophragmina flintensis</i> , <i>Gypsina globula</i> at 670-680.		

¹Average elevation based on Georgia State Highway Maps.

²Reworked (?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
Summary:		
Pliocene to Recent (undifferentiated).....	120	120
Miocene (undifferentiated).....	470	590
Oligocene (undifferentiated).....	50	640
Upper Eocene (Ocala limestone).....	70	710

Potential Water-Bearing Zones:

Sand: fine to coarse-grained.....	10	70
Sand: fine to coarse-grained.....	20	120
Sand: fine to coarse-grained.....	50	490
Limestone.....	110	710

WAYNE COUNTY

Location: 0.75 mi. south of Screven city limits, west side of Highway 38
 Well No.: GGS 466
 Elev.: 118
 Owner: No. 1 Lindsey Grace
 Driller: Layne-Atlantic Company
 Drilled: 1955

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine to medium-grained, angular, arkosic.....	5	5
Clay: yellowish-green, sandy.....	10	15
Sand: fine to coarse-grained, angular, arkosic; some clay, pale green to purple (mottled), sandy.....	30	45
Sand: very coarse-grained, arkosic.....	30	75
Miocene (Undifferentiated):		
Clay: yellowish-green to dark-green, phosphatic at depth.....	175	250
Black phosphatic pebbles common at 145-155.		
Sand: coarse-grained, phosphatic.....	40	290
Sand: as above; interbedded clay, dark-green, sandy, phosphatic; and dolomitic limestone, light-brown, sandy, phosphatic.....	103	393
Clay: dark-green, sandy, phosphatic.....	123	516
Dolomitic limestone: dark-brown, saccharoidal, sandy, phosphatic.....	84	600
No samples.....	20	620