

GEORGIA
STATE DIVISION OF CONSERVATION
DEPARTMENT OF MINES, MINING AND GEOLOGY
GARLAND PEYTON, Director

THE GEOLOGICAL SURVEY
Bulletin Number 70

WELL LOGS OF THE
COASTAL PLAIN OF GEORGIA

by

Stephen M. Herrick, Geologist
United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

	Thickness (feet)	Depth (feet)
Potential Water-Bearing Zones:		
Limestone	228	708

Remarks:

Samples of poor quality.

WARE COUNTY

Location: In Waresboro, northwestern part of Waycross
 Owner: No. 1 Waresboro Elementary School
 Driller: Turner Well Drilling Company
 Drilled: April 1957

Well No.: GGS 538

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: medium to coarse-grained, subangular.....	25	25
Clay: pale-greenish-gray, sandy, micaceous.....	60	85
Miocene (Undifferentiated):		
Clay: dark-olive-green to brownish-gray, sandy.....	62	147
No samples	10	157
Sand: fine to medium-grained, subangular.....	10	167
Sand: coarse-grained, subrounded, phosphatic, arkosic.....	10	177
Limestone: light-gray to light-brown, much calcitized, saccharoidal, sandy, phosphatic, cherty.....	31	208
Brownish-gray chert (or siltstone?) prominent at 198-208.		
Clay: greenish-gray, blocky, sandy, phosphatic; interbedded sand, fine to medium-grained, subangular.....	62	270
Limestone: cream to light-brown, saccharoidal, sandy, phosphatic	30	300
Sand: medium to coarse-grained, subangular, phosphatic.....	11	311
Limestone: cream to light-gray, saccharoidal, sandy, phosphatic, fossiliferous (megafossils, echinoid and bryozoan remains, and some Foraminifera at depth).....	92	403
First observed megafossils at 311-321.		
<i>Elphidium sagrum</i> , <i>Elphidium poeyanum</i> , <i>Valvulineria</i> sp., <i>Cibicides concentricus</i> at 403-413.		
Limestone: light-brown, saccharoidal, sandy, phosphatic.....	10	413

	Thickness (feet)	Depth (feet)
Oligocene (Undifferentiated):		
Limestone: light-gray to cream at depth, rather massive, somewhat nodular, fossiliferous (bryozoan remains and some Foraminifera)	62	475
<i>Quinqueloculina</i> sp., <i>Rotalia mexicana</i> var. at 413-423.		
<i>Dictyoconus</i> ¹ sp., <i>Quinqueloculina</i> sp. at 423-434.		
<i>Gypsina globula</i> ¹ at 465-475.		
No samples	9	484
In Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: cream, relatively soft and porous, calcitized, granular, fossiliferous (bryozoan remains and some Foraminifera)	114	598
<i>Operculinoides</i> sp. at 484-495.		
<i>Asterocyclina</i> sp., <i>Operculinoides</i> sp. at 505-516.		

Summary:

Pliocene to Recent (undifferentiated)	85	85
Miocene (undifferentiated)	328	413
Oligocene (undifferentiated)	62	475
No samples	9	484
In upper Eocene (Ocala limestone)	114	598

Potential Water-Bearing Zones:

Limestone	114	598
-----------------	-----	-----

WASHINGTON COUNTY

Location: 1.4 mi. southwest of junction of Highways 15 and 24 in Sandersville, near east side of Highway 15 near concrete reservoir

Well No.: GGS 94
Elev.: 465

Owner: City of Sandersville well no. 5

Driller: Layne-Atlantic Company

Drilled: June 1944

	Thickness (feet)	Depth (feet)
Miocene: Hawthorn Formation:		
Clay: bluish-green to red (mottled), light-gray at depth, blocky, sandy, limonitic	50	50
Upper Eocene: Jackson Group: Barnwell Formation:		
Sand: fine to medium-grained, angular, somewhat indurated.....	5	55

¹Reworked fossil of middle Eocene age.