

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

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Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

	Thickness (feet)	Depth (feet)
Clay: dark-green, partially indurated, fossiliferous (macroshells, Ostracods, and Foraminifera)	110	235
Sand: fine to coarse-grained, abundantly phosphatic	23	258
Clay: dark-green, silty, cherty	28	286
Dolomitic limestone: light-brown, dense (highly calcitized), sandy, coarsely phosphatic	21	307
Sand: fine to coarse-grained, abundantly phosphatic	90	397
Clay: green, sandy, phosphatic, sandier at depth	48	455
Limestone; white, sandy at 435-445.		
No samples	72	517

In Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: cream to light-gray, dense (much calcitized), fossiliferous (fragments of bryozoan remains, macroshells, Ostracods, and Foraminifera)	37	554
<i>Operculinoides cf. O. floridensis</i> at 517-526.		

Summary:

No samples	90	90
In Pliocene to Recent (undifferentiated)	10	100
Miocene (undifferentiated)	345	445
No samples	72	517
In upper Eocene (Ocala limestone)	37	554

Potential Water-Bearing Zones:

Sand: fine to coarse-grained, phosphatic	90	397
Limestone	34	554

CHARLTON COUNTY

Location: In Folkston
 Owner: No. 1 Folkston Elementary and High School
 Driller: M. M. Gray
 Drilled: 1955

Well No.: GGS 453
 Elev.: 80¹

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

Sand: fine-grained to coarser-grained at depth, finely disseminated phosphatic grains and inclusions of kaolin; interbedded clay, dark-gray, silty, carbonaceous, micaceous	60	60
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¹Average elevation taken from State Highway map.

	Thickness (feet)	Depth (feet)
Limestone: light-gray to brown, dense, saccharoidal, sandy; interbedded clay, dark-green, somewhat indurated, fossiliferous (some Ostracods and Foraminifera)	60	120

Rotalia beccarii var. at 60-70.

Miocene (Undifferentiated):

Clay: light-gray to pale-green, sandy, sparsely phosphatic	40	160
Sand: fine to coarse-grained; dolomitic limestone, light-brown, saccharoidal (much calcitized), sandy, coarsely phosphatic.....	150	310
Clay: dark-green, sandy	30	340
Dolomitic limestone: light-brown, saccharoidal, sandy, coarsely phosphatic, cherty	40	380
Sand: fine to coarse-grained	15	395
Clay: dark-green, silty; siltstone, light-brown, indurated, sandy, phosphatic	25	420
Dolomitic limestone: light-brown, saccharoidal, very sandy, coarsely phosphatic	50	470
Clay: dark-green, sandy, cherty	30	500
Sand: fine to coarse-grained, phosphatic	20	520

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: cream, dense (much calcitized), sandy (at top of section), fossiliferous (bryozoan remains, Ostracods, and Foraminifera)	130	650
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Operculinoides sp. at 520-530.

Summary:

Pliocene to Recent (undifferentiated)	120	120
Miocene (undifferentiated)	400	520
Upper Eocene (Ocala limestone)	130	650

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	20	520
Limestone	130	650