

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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Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

	Thickness (feet)	Depth (feet)
Limestone: light-gray, dense (much calcitized), very sandy, fossiliferous (casts and impressions of megafossils).....	10	60
Sand: fine-grained, somewhat argillaceous, sparsely phosphatic	22	82

Miocene (Undifferentiated):

Clay: dark-green, blocky, sandy, phosphatic; interbedded sand, fine to coarse-grained, phosphatic; dolomitic limestone, light-brown, sandy, phosphatic.....	188	270
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Dolomitic limestone prominent at 139-155 and 220-228.

Sand prominent at 263-270.

Summary:

Pliocene to Recent (undifferentiated)	82	82
Miocene (undifferentiated)	188	270

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	7	270
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CHARLTON COUNTY

Location: 1.25 mi. southwest of Atlantic Coast Line
R.R. depot in Folkston

Well No.: GGS 185
Elev.: 75

Owner: No. 1 State Prison Camp (Folkston)

Driller: Gray Well and Pump Corporation

Drilled: January 1941

	Thickness (feet)	Depth (feet)
No samples	90	90

In Pliocene to Recent (Undifferentiated):

Limestone: gray, dense (highly calcitized), saccharoidal, sandy, sparsely but finely phosphatic, fossiliferous (molds and impressions of megafossils).....	10	100
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Miocene (Undifferentiated):

Sand: fine to coarse-grained, abundantly phosphatic; clay, dark-green, somewhat indurated, fossiliferous (some Foraminifera)	25	125
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Rotalia beccarii var. at 118.

	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.