

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)
Sand: coarse-grained, angular, arkosic, glauconitic and finer-grained at certain levels; interbedded clay, green to tan to red (mottled), sandy, micaceous, sideritic at certain horizons.	240	3,850

Sideritic nodules common at 3620-3630.

Summary:

No samples	690	690
In upper Eocene (Ocala limestone)	195	885
Middle Eocene (Claiborne group, undifferentiated)	500	1,385
Lower Eocene(?) (Wilcox group, undifferentiated)	220	1,605
Paleocene (Clayton formation)	615	2,220
Upper Cretaceous (post-Tuscaloosa, undifferentiated)	915	3,135
Upper Cretaceous (In Tuscaloosa formation)	715	3,850

Potential Water-Bearing Zones:

Limestone	195	885
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Remarks:

All potential water-bearing sands below depth 1,385, probably carrying salt water, hence not suitable as sources of fresh water.

BROOKS COUNTY

Location: Quitman

Well No.: GGS 469

Owner: City of Quitman

Elev.: 180'

Driller: M. M. Gray

Drilled: 1955

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

Clay, mottled to pale-green to tan, sandy, limonitic; sand, fine to medium-grained; inclusions of kaolin, white, sandy, micaceous; some lignite	80	80
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In Miocene (Undifferentiated):

Clay: pale-green, sandy, cherty; limestone at depth, white, sandy, fossiliferous; dolomitic limestone, brown, saccharoidal	70	150
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Archais sp. at 100-130.

Dolomitic limestone at 130-150.

¹Average elevation taken from State Highway map.

	Thickness (feet)	Depth (feet)
Oligocene (Undifferentiated):		
Limestone: gray, dense (calcitized), nodular, fossiliferous.....	115	265
<i>Rotalia byramensis</i> var. at 150-160.		
<i>Dictyoconus</i> ² sp. at 160-170.		
<i>Miliolidae</i> prominent at 190-200.		

Upper Eocene(?): Jackson Group: Ocala Limestone:

Dolomitic limestone: light-brown, saccharoidal.....	39	304
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Summary:

Pliocene to Recent (undifferentiated).....	80	180
In Miocene (undifferentiated).....	70	150
Oligocene (undifferentiated).....	115	265
Upper Eocene(?) (Ocala limestone).....	39	304

Potential Water-Bearing Zones:

Limestone.....	115	265
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BRYAN COUNTY

Location: 0.5 mi. east of intersection of U.S. Highway 17
on Bryan Neck Road at Richmond Hill

Well No.: GGS 65
Elev.: 14

Owner: Henry Ford
Driller: W. E. Floyd, Jr.
Drilled: May 1939

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine-grained, finely disseminated phosphatic grains; interbedded clay, dark-gray to tan to red (mottled), some- what fissile, lignitic, micaceous.....	30	30
Sand: fine to coarse-grained, arkosic.....	10	40
No samples.....	310	350
In Miocene (Undifferentiated):		
Clay: dark-green, silty, phosphatic; limestone, white, very sandy, phosphatic.....	100	450
No samples.....	50	500

²Reworked(?) fossil of middle Eocene age.