

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)
Limestone: white, dense (much calcitized), very sandy, coarsely phosphatic; sand, as above.....	5	375
No samples	75	450

In Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: light-gray, crystalline (much calcitized), fossiliferous (abundant bryozoan remains and some Foraminifera); soft limestone, cream, somewhat nodular in texture.....	115	565
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Summary:

Pliocene to Recent (undifferentiated).....	200	200
In Miocene (undifferentiated).....	175	375
No samples	75	450
In upper Eocene (Ocala limestone).....	115	565

Potential Water-Bearing Zones:

Sand: medium to coarse-grained.....	35	370
Limestone	115	565

McINTOSH COUNTY

Location: 5 mi. northwest of Darien
 Owner: No. 1 Charles Fountain
 Driller: Woodrow Sapp Drilling Company
 Drilled: 1959

Well No.: GGS 596
 Elev.: 15

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

Sand: fine to coarse-grained, subangular to subrounded, somewhat phosphatic, micaceous; interbedded clay, brownish-green to greenish-gray, sandy, micaceous.....	265	265
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Miocene (Undifferentiated):

Clay: dark-olive-green, somewhat blocky, tough, phosphatic at depth, cherty at certain levels.....	75	340
Sand: fine to medium-grained, subangular to subrounded, phosphatic	50	390
Clay: dark-greenish-gray, sandy, phosphatic.....	50	440
Limestone: cream to light-brown, rather dense, calcitized, sandy, phosphatic	10	450

	Thickness (feet)	Depth (feet)
Sand: fine to medium-grained, subangular, phosphatic; interbedded clay and limestone, as above.....	40	490
Limestone: cream, sandy, phosphatic, fossiliferous (fragments and impressions of megafossils).....	20	510
Sand: fine to coarse-grained, subangular to subrounded.....	80	590

Oligocene (Undifferentiated):

Limestone: cream, nodular, somewhat granular, fossiliferous (bryozoan remains and Foraminifera).....	40	630
<i>Rotalia mexicana</i> var. at 590-600.		

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: white, much calcitized, crystalline, fossiliferous (abundant macroshells, bryozoan remains, and some Foraminifera).....	150	780
<i>Lepidocyclina</i> sp. at 630-640.		
<i>Operculinoides</i> sp. at 640-650.		
<i>Pseudophragmina flintensis</i> , <i>Asterocyclina</i> sp. at 720-730.		

Summary:

Pliocene to Recent (undifferentiated).....	265	265
Miocene (undifferentiated).....	325	590
Oligocene (undifferentiated).....	40	630
Upper Eocene (Ocala limestone).....	150	780

Potential Water-Bearing Zones:

Sand: fine to coarse-grained.....	45	120
Sand: fine to medium-grained.....	50	390
Sand: fine to coarse-grained.....	80	590
Limestone.....	150	780

MACON COUNTY

Location: 40' west of Highway 90, north side of Beaver Creek, in Montezuma
 Owner: No. 1 City of Montezuma
 Driller: Layne-Atlantic Company
 Drilled: 1938

Well No.: GGS 60
 Elev.: 280

	Thickness (feet)	Depth (feet)
Lower Eocene: Wilcox Group (Undifferentiated):		
Sand: medium to coarse-grained, limonitic.....	65	65
Paleocene: Midway Group: Clayton Formation:		
Sand: as above; and clay, brown, lignitic.....	20	85