

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

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**THE GEOLOGICAL SURVEY**  
Bulletin Number 70

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**WELL LOGS OF THE**  
**COASTAL PLAIN OF GEORGIA**

by

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United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

## BERRIEN COUNTY

Location: About halfway between Alapaha and Nashville, Land Lot 41, 10th Land District  
 Well No.: GGS 159  
 Owner: No. 1 L. R. King  
 Driller: W. B. Graham  
 Drilled: 1947  
 Elev.: 265<sup>1</sup>

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

Sand: fine to medium-grained; and some clay, light-gray, sandy .....	80	80
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## Miocene: Hawthorn Formation:

Clay: pale-green, sandy, phosphatic at depth .....	90	170
Gray phosphatic pebbles at 100.		

## Tampa Limestone:

Limestone: white, sandy, dolomitized at depth .....	147	317
Dolomitic limestone at 220-300.		
<i>Elphidium</i> sp. at 300-317.		

## Summary:

Pliocene to Recent (undifferentiated) .....	80	80
Miocene (Hawthorn formation) .....	90	170
Miocene (Tampa limestone) .....	147	317

## Potential Water-Bearing Zones:

Limestone .....	27	317
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## BERRIEN COUNTY

Location: Near Nashville  
 Well No.: GGS 421  
 Owner: No. 1 P. D. Fulwood Company  
 Driller: Layne-Atlantic Company  
 Drilled: March 1955  
 Elev.: 240<sup>1</sup>

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

Sand: fine to coarse-grained, subangular to subrounded, limonitic; clay, yellow to tan, sandy .....	3	3
Clay: pale-bluish-gray with purple streaks (mottled), sandy, limonitic .....	11	14

<sup>1</sup>Average elevation taken from State Highway map.

	Thickness (feet)	Depth (feet)
Sand: fine to medium-grained, subangular to subrounded, arkosic, sparsely phosphatic .....	50	64
<b>Miocene (Undifferentiated):</b>		
Clay: pale-brownish to yellowish-green, blocky, sandy .....	20	84
Limestone: white, rather dense, saccharoidal, sandy, cherty .....	98	182
<b>Oligocene (Undifferentiated):</b>		
Limestone: white, nodular, much calcitized, somewhat sac- charoidal, fossiliferous (Foraminifera) .....	35	217
<i>Quinqueloculina</i> sp., <i>Rotalia mexicana</i> var. at 182-187.		
<b>In Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone: cream, rather soft, somewhat chalky, fossilifer- ous (bryozoan remains and Foraminifera) .....	98	310
<i>Gypsina globula</i> at 207-228.		
<i>Operculinoides</i> sp. common at 248-269.		
Limestone: flat-white, much calcitized, somewhat crystalline, fossiliferous (bryozoan remains and Foraminifera) .....	20	330
<i>Operculinoides</i> sp., <i>Lepidocyclina</i> sp., <i>Asterocyclina</i> sp. at 325-330.		
<b>Summary:</b>		
Pliocene to Recent (undifferentiated) .....	64	64
Miocene (undifferentiated) .....	118	182
Oligocene (undifferentiated) .....	35	217
In upper Eocene (Ocala limestone) .....	113	330
<b>Potential Water-Bearing Zones:</b>		
Limestone: .....	113	330
<b>Remarks:</b>		
Quality of samples not good. Hence top of upper Eocene (Ocala limestone) not definitely determined.		