

**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**

	Thickness (feet)	Depth (feet)
<b>Summary:</b>		
No samples .....	15	15
In Miocene (undifferentiated) .....	170	185
No samples .....	24	209
In Oligocene (undifferentiated) .....	61	270

**Potential Water-Bearing Zones:**

Limestone .....	61	270
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**Remarks:**

Sample intervals too large for accurate determination of formational tops.

**COOK COUNTY**

Location: 6 mi. west of Adel, 2 mi. south of Adel-Moultrie Well No.: GGS 118  
 Highway, Land Lot 338, 9th Land District Elev.: 224<sup>1</sup>  
 Owner: No. 1 D. F. Bruton  
 Driller: W. B. Graham  
 Drilled: 1946

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Clay: mottled, sandy, limonitic .....	60	60
Clay: gray to yellowish-green, sandy; interbedded sand, fine to coarse-grained, angular .....	80	140
Limestone: white, dense, crystalline, sandy; interbedded clay, yellowish-green, sandy .....	50	190
<b>Oligocene (Undifferentiated):</b>		
Limestone: light-gray to cream, nodular, much calcitized, fossiliferous (bryozoan remains and some Foraminifera) .....	90	280
<i>Rotalia mexicana</i> var. at 190-200.		
<i>Dictyoconus</i> <sup>2</sup> sp. at 270-280.		

**Summary:**

Miocene (undifferentiated) .....	190	190
Oligocene (undifferentiated) .....	90	280

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

<sup>2</sup>Reworked(?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
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## Potential Water-Bearing Zones:

Limestone .....	90	280
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## Remarks:

Samples of poor quality.

## COOK COUNTY

Location: In Adel  
 Owner: No. 5 City of Adel  
 Driller: Layne-Atlantic Company  
 Drilled: June 1946

Well No.: GGS 122  
 Elev.: 246

	Thickness (feet)	Depth (feet)
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## Miocene (Undifferentiated):

Clay: mottled, very sandy, limonitic .....	93	93
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Clay: yellowish-green, blocky, sandy; interbedded limestone at depth, white, dense, sandy; beds of sand, fine to coarse-grained, angular .....	107	200
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## In Oligocene (Undifferentiated):

Limestone: light-gray, nodular, dense, much calcitized, fossiliferous (some bryozoan remains and Foraminifera) .....	70	270
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*Rotalia mexicana* var. at 231.

## Summary:

Miocene (undifferentiated) .....	200	200
In Oligocene (undifferentiated) .....	70	270

## Potential Water-Bearing Zones:

Limestone .....	70	270
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## Remarks:

Samples of poor quality.