

**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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Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

Thickness  
(feet)      Depth  
(feet)

## Summary:

No samples .....	25	25
In Miocene (undifferentiated) .....	333	358
No samples .....	41	399
In Oligocene (undifferentiated) .....	92	491

## Potential Water-Bearing Zones:

Limestone .....	173	491
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## COOK COUNTY

Location: In Adel  
 Owner: No. 4 City of Adel  
 Driller: Layne-Atlantic Company  
 Drilled: June 1946

Well No.: GGS 39  
 Elev.: 240

Thickness  
(feet)      Depth  
(feet)

No samples .....	15	15
<b>In Miocene (Undifferentiated):</b>		
Clay: mottled, very sandy, limonitic .....	55	70
No samples .....	10	80
Clay: yellowish-green, blocky, sandy, phosphatic; interbedded limestone, light-gray to white, dense, somewhat saccharoidal, sandy; sand, fine-grained, angular, phosphatic (finely disseminated) .....	85	165
Gray, polished, phosphatic pebbles prominent at 80.		
No samples .....	20	185
Dolomitic limestone: light-brown, extremely dense, crystalline, somewhat sandy; some limestone as above .....	?	185
No samples .....	24	209
<b>In Oligocene (Undifferentiated):</b>		
Limestone: light-gray to cream at depth, nodular, much calcitized, rather dense, cherty, fossiliferous (bryozoan remains and some Foraminifera) .....	61	270

*Quinqueloculina* sp., *Dictyoconus*<sup>1</sup> sp. at 209-209½.

*Quinqueloculina* sp., *Rotalia mexicana* var. at 270.

<sup>1</sup>Reworked (?) fossil of middle Eocene age.

	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.