

**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)
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**Upper Eocene: Jackson Group: Ocala Limestone:**

Limestone: cream, granular (in texture), rather loosely consolidated <sup>1</sup> , fossiliferous (abundant bryozoan remains <sup>2</sup> and rare Foraminifera) .....	21	410
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*Operculinoides* sp. (rare) at 389-410.

Limestone: cream, firmly consolidated (as compared to limestone above), fossiliferous (abundant bryozoan remains) .....	20	430
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**Summary:**

Miocene (undifferentiated) .....	296	296
In Oligocene (undifferentiated) .....	93	389
Upper Eocene (Ocala limestone) .....	41	430

**Potential Water-Bearing Zones:**

Sand: coarse-grained .....	20	163
Limestone: cream, rather porous .....	20	430

**CANDLER COUNTY**

Location: Northeast of Metter, approximately 1 mi. east of Highway 23      Well No.: GGS 582  
 Elev.: 310

Owner: No. 1 Josh Durdon  
 Operator: Turner Well Drilling Company  
 Drilled: August 1959

	Thickness (feet)	Depth (feet)
No samples .....	22	422

**In Miocene (Undifferentiated):**

Clay: yellowish to olive-green to greenish-gray, somewhat blocky, sandy, cherty and phosphatic at depth; interbedded sand, fine to coarse-grained, subangular, arkosic, phosphatic at depth .....	346	368
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Black, polished phosphatic pebbles prominent at 245-266.

Marl: dark-gray, silty, micaceous, fossiliferous (macroshells) .....	21	389
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<sup>1</sup>Representative of inner lagoon (post barrier reef) deposits.

<sup>2</sup>Consisting of approximately 98 percent bryozoan remains.

	Thickness (feet)	Depth (feet)
<b>Oligocene (Undifferentiated):</b>		
Limestone: light-gray to cream, nodular, rather massive, somewhat sandy, fossiliferous (macroshells, some bryozoan remains, and Foraminifera).....	41	430
<i>Pyrgo</i> sp., <i>Eponides</i> sp., <i>Asterigerina subacuta</i> at 389-403.		
Casts and molds of megafossils, particularly of Gastropods prominent at 403-410.		

**Upper Eocene: Jackson Group: Ocala Limestone:**

Limestone: cream, soft, granular, fossiliferous (bryozoan remains and abundant "larger Foraminifera").....	20	450
<i>Gypsina globula</i> , <i>Reussella eocena</i> , <i>Eponides jacksonensis</i> , <i>Lepidocyclina</i> sp. abundant at 430-450.		

**Summary:**

No samples .....	22	22
In Miocene (undifferentiated) .....	367	389
Oligocene (undifferentiated) .....	41	430
Upper Eocene (Ocala limestone) .....	20	450

**Potential Water-Bearing Zones:**

Limestone .....	61	450
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**CHARLTON COUNTY**

Location: 21 mi. west of Folkston on Jones Island, Okefenokee Swamp  
 Well No.: GGS 93  
 Elev.: 120  
 Owner: No. 1 U. S. Biological Survey  
 Driller: Virginia Supply and Well Company  
 Drilled: November 1939

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Sand: fine-grained, finely disseminated phosphatic grains; interbedded clay, dark-gray, sandy, lignitic, micaceous.....	30	30
Limestone: dark-gray, somewhat argillaceous .....	9	39
Clay: light-gray, very sandy, phosphatic .....	11	50