

**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**

## Potential Water-Bearing Zones:

Thickness  
(feet)Depth  
(feet)

None observed to 410.

## Remarks:

Well reportedly reached a total depth of 508.

## LIBERTY COUNTY

Location: 7 mi. northwest of Liberty County Courthouse  
at Hinesville, about 1,600 ft. northeast of Taylors Creek  
Rd., at Camp Stewart

Well No.: GGS 66

Elev.: 88

Owner: U.S. Government (War Department)

Driller: Virginia Machine and Well Company

Drilled: October 1940

Thickness  
(feet)Depth  
(feet)

## Pliocene to Recent (Undifferentiated):

Sand: fine to medium-grained, phosphatic (finely disseminated); interbedded clay, dark-gray, lignitic, micaceous	80	80
Sand: very coarse-grained, rounded	65	145
Sand: fine-grained	50	195

## In Miocene (Undifferentiated):

Clay: dark-green, silty, phosphatic	50	245
Clay: pale to dark-green, somewhat indurated, sandy, phosphatic	110	355
Clay: dark-green, very sandy, phosphatic	10	365
Sand: very coarse-grained	5	370
Sand: fine to coarse-grained, phosphatic; limestone, white, dense (much calcitized), very sandy, phosphatic, fossiliferous (casts and molds of megafossils)	70	440
Dolomitic limestone: light-brown, saccharoidal, sandy, phosphatic	5	445
Limestone: white to light-gray, highly calcitized, sandy, phosphatic	15	460
<i>Quinqueloculina</i> sp., <i>Massilina</i> sp. at 460.		
No samples	40	500

	Thickness (feet)	Depth (feet)
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**In Upper Eocene: Jackson Group: Ocala Limestone:**

Limestone: light-gray, crystalline (much calcitized), fossiliferous (bryozoan remains and Foraminifera) .....	?	500
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*Gypsina vesicularis*, *Operculinoides* sp., *Asterocyclina* sp. at 500.

**Summary:**

Pliocene to Recent (undifferentiated) .....	195	195
In Miocene (undifferentiated) .....	265	460
No samples .....	40	500
In upper Eocene (Ocala limestone) .....	?	500

**Potential Water-Bearing Zones:**

Limestone .....	55	500
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**LIBERTY COUNTY**

Location: 1.7 mi. northwest of Liberty County Courthouse Well No.: GGS 72  
 at Hinesville, 1,900 ft. northeast of Taylors Creek Rd., Elev.: 86  
 at Camp Stewart

Owner: U.S. Government (War Department)

Driller: Layne-Atlantic Company

Drilled: December 1940

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

Sand: fine-grained, phosphatic (finely disseminated) .....	100	100
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No samples .....	20	120
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Sand: coarse-grained, arkosic .....	62	182
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**In Miocene (Undifferentiated):**

Clay: dark-green; sandy, phosphatic; sand, fine to coarse-grained, arkosic .....	98	280
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Clay: dark-green, phosphatic, cherty .....	40	320
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No samples .....	20	340
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Dolomitic limestone: light-brown, sandy, phosphatic; interbedded limestone, gray, dense (much calcitized); very sandy, phosphatic .....	100	440
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