

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

THE GEOLOGICAL SURVEY
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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

ATLANTA
1961

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: ochre to dark green, sandy, phosphatic	20	80
Sand: medium-grained	20	100
Sand: fine-grained, phosphatic; limestone, white, sandy	40	140
Clay: light-gray to pale-green, sandy; limestone, as above.....	40	180

Oligocene (Undifferentiated):

Sand: fine to coarse-grained, phosphatic; limestone, gray to cream, dense (much calcitized), sandy, fossiliferous at depth (macroshells, echinoid spines, and Foraminifera)	60	240
<i>Quinqueloculina</i> sp. at 200-240.		
No samples	20	260
Limestone: cream, soft, fossiliferous (Foraminifera)	18	278

Summary:

Pliocene to Recent (undifferentiated)	60	60
Miocene (undifferentiated)	120	180
Oligocene (undifferentiated)	98	278

Potential Water-Bearing Zones:

Sand: medium-grained	20	100
Limestone	18	278

LOWNDES COUNTY

Location: Bemiss
 Owner: No. 1 Mount Zion School
 Drilled: 1941

Well No.: GGS 79
 Elev.: 250

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

Clay: ochre, sandy, abundantly limonitic	20	20
Clay: ochre, very sandy, finely phosphatic, argillaceous, containing inclusions of kaolin	20	40

Miocene (Undifferentiated):

Clay: as above, but phosphatic	10	50
Clay: light-gray to pale-green, very sandy, phosphatic	20	70
Sand: fine to medium-grained, somewhat argillaceous, phosphatic	10	80

	Thickness (feet)	Depth (feet)
Clay: light-gray, very sandy, phosphatic; limestone, white, sandy, much leached	10	90
Sand: fine to medium-grained; limestone, white, sandy, cherty ..	10	100
Limestone: dense (much calcitized), sandy	20	120
Sand: fine to coarse-grained, angular, phosphatic; limestone, as above	60	180

Oligocene (Undifferentiated):

Limestone: gray to light-brown, somewhat dolomitized and saccharoidal; limestone, cream, dense (much calcitized), nodular, fossiliferous (Foraminifera)	20	200
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Quinqueloculina sp. at 180-200.

Summary:

Pliocene to Recent (undifferentiated)	40	40
Miocene (undifferentiated)	140	180
Oligocene (undifferentiated)	20	200

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	30	150
Limestone	20	200

LOWNDES COUNTY

Location: Valdosta
Owner: City of Valdosta
Drilled: 1947

Well No.: GGS 173
Elev.: 230¹

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine to coarse-grained, carbonaceous, limonitic	2	2
Clay: ochre to red (mottled), sandy, abundantly limonitic	18	20
Clay: light-gray to pink (mottled), sandy; limestone, white, dense (much calcitized), sandy	20	40
Clay: ochre, sandy, limonitic; limestone, as above	30	70
Clay and limestone: as above, containing inclusions of kaolin	20	90

¹Average elevation based on Georgia State Highway Maps.