

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

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WELL LOGS OF THE
COASTAL PLAIN OF GEORGIA

by

Stephen M. Herrick, Geologist
United States Geological Survey



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ATLANTA
1961

DOOLY COUNTY

Location: Northeastern part of city, few ft. west of elevated water (steel) reservoir, top of prominent hill, in Vienna.

Well No.: GGS 143
Elev.: 397

Owner: No. 2 City of Vienna
Driller: Layne-Atlantic Company
Drilled: March 1947

	Thickness (feet)	Depth (feet)
Residuum:		
Clay: yellowish-green to brick-red (mottled), sandy, limonitic.....	61	61
Clay: tan to dark-brown to purple (mottled), sandy, and fragments of residual limestone	19	80
Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: cream, somewhat crystalline and saccharoidal, coarsely but sparsely glauconitic, fossiliferous (macroshells, echinoid and bryozoan remains, and some Foraminifera).....	37	117
Middle Eocene: Claiborne Group: Lisbon Formation:		
Marl: dark-green, somewhat indurated, silty, glauconitic, fossiliferous (echinoid and bryozoan remains and some Foraminifera)	21	138
<i>Textularia adalta</i> , <i>Nonion inexcavatus</i> , <i>Nonion advena</i> , <i>Valvulineria jacksonensis</i> , <i>Cibicides mississippiensis</i> , <i>Cibicides americanus</i> var., <i>Cibicides lobatulus</i> at 117-138.		
Limestone: cream, coarsely but sparsely glauconitic, sandier with increased depth, fossiliferous (macroshells abundant bryozoan remains, and some Foraminifera)	46	184
Bryozoan remains abundant at 138-158.		
Marl: dark-green to light-gray, silty, glauconitic (finely disseminated grains), fossiliferous (echinoid and bryozoan remains and Foraminifera); interbedded limestone, white, rather massive and dense, very sandy, coarsely glauconitic, fossiliferous (casts and molds of megafossils).....	61	245
<i>Cibicides westi</i> at 184-189.		
<i>Cibicides pseudoungerianus</i> var. <i>lisbonensis</i> at 230-245.		

	Thickness (feet)	Depth (feet)
Tallahatta Formation:		
Sand: fine to coarse-grained, subangular, phosphatic, fossiliferous (common to abundant macroshells at certain levels).....	173	418
Buhrstone: gray to dark-brown, dense, cherty	17	435

Lower Eocene: Wilcox Group (Undifferentiated):

Clay: dark-gray, silty, carbonaceous, micaceous, pyritiferous, fossiliferous (Foraminifera); limestone, gray, very dense, crystalline, sandy, glauconitic	70	505
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Eponides dorfi, *Cibicides howelli*, *Anomalina* sp. at 435-505.

In Paleocene: Midway Group: Clayton Formation:

Clay: light-gray to white, blocky, micaceous; limestone, light-gray, dense, crystalline, sandy, coarsely glauconitic, fossiliferous (fragments and casts of megafossils and some bryozoan remains); clay, black, fissile, carbonaceous, micaceous	40	545
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Upper Cretaceous: Providence Sand:

Sand: fine to coarse-grained, subangular; inclusions of kaolin, light-gray, blocky, greasy appearance, micaceous	120	665
Marl: dark, bluish-gray, micaceous, pyritiferous, sandy, fossiliferous (some Foraminifera)	138	803

Anomalina sp. at 665-677.

Anomalina pseudopapillosa at 677-712.

Summary:

Residuum	80	80
Upper Eocene (Ocala limestone)	37	117
Middle Eocene (Lisbon formation)	128	245
Middle Eocene (Tallahatta formation)	190	435
Lower Eocene (Wilcox group, undifferentiated)	70	505
In Paleocene (Clayton formation)	40	545
Upper Cretaceous (Providence sand)	258	803

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	173	418
Sand: fine to coarse-grained	120	665