

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

THE GEOLOGICAL SURVEY
Bulletin Number 70

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)
Sand: fine to coarse-grained, angular; clay, yellow to tan, somewhat sandy	10	515

Summary:

No. samples	15	15
In residuum	35	50
Middle Eocene (Lisbon formation)	55	105
Middle Eocene (Tallahatta formation)	70	175
Lower Eocene (Wilcox group, undifferentiated)	150	325
Paleocene (Clayton formation)	190	515

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	61	166
Sand: fine to coarse-grained	65	365
Limestone	115	505
Sand: fine to coarse-grained	10	515

CAMDEN COUNTY

Location: St. Marys Well No.: GGS 54
 Owner: St. Marys Kraft Corporation Elev.: 13
 Driller: Layne-Atlantic Company

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

Sand: fine to coarse-grained, finely disseminated phosphatic grains; interbedded clay, dark-gray, lignitic, micaceous	30	30
Sand: medium to coarse-grained, rounded, phosphatic	28	58
Limestone: dark-gray, very dense (highly calcitized), sandy, sparsely phosphatic	29	87
Limestone: light-gray, very dense (highly calcitized), some- what saccharoidal, sandy, sparsely phosphatic, fossilifer- ous (casts and impressions of megafossils)	20	107
Sand: medium to very coarse-grained, rounded, phosphatic; clay, gray, silty	63	170

Miocene (Undifferentiated):

Clay: dark-green, sandy, phosphatic, cherty; interbedded sand, fine to coarse-grained	160	330
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	Thickness (feet)	Depth (feet)
Dolomitic limestone: light-brown, saccharoidal, sandy, phosphatic	20	350
Sand: fine to coarse-grained, phosphatic; dolomitic limestone (cave) as above	20	370
Clay: green, sandy, phosphatic, fossiliferous (macroshells); interbedded limestone, white, dense (much calcitized), sandy, phosphatic, fossiliferous (macroshells)	100	470
Dolomitic limestone: brown, saccharoidal, sandy, phosphatic; sand, fine to medium-grained, phosphatic	20	490
Clay: dark-green, sandy, coarsely phosphatic	50	540
Oligocene (Undifferentiated):		
Limestone: light-gray to white, dense (much calcitized), massive, fossiliferous (molds and fragments of megafossils and bryozoan remains, and some Foraminifera)	20	560
<i>Discorbis subaraucana</i> , <i>Siphonina advena</i> at 540.		
Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: as above; interbedded dolomitic limestone, brown, saccharoidal	356	916
<i>Operculinoides</i> sp. at 560.		
<i>Pseudophragmina flintensis</i> at 600.		
Middle Eocene: Claiborne Group (Undifferentiated):		
Limestone: as above; interbedded dolomitic limestone, dark-brown, saccharoidal	144	1,060

Summary:

Pliocene to Recent (undifferentiated)	170	170
Miocene (undifferentiated)	370	540
Oligocene (undifferentiated)	20	560
Upper Eocene (Ocala limestone)	356	916
Middle Eocene (Claiborne group, undifferentiated)	144	1,060

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	63	170
Sand: fine to coarse-grained	20	370
Sand: fine to coarse-grained	10	490
Limestone	320	860