

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)
Summary:		
Pliocene to Recent (undifferentiated).....	60	60
In Miocene (undifferentiated).....	225	285
Oligocene (undifferentiated).....	25	310

Potential Water-Bearing Zones:

Limestone.....	25	310
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CHATHAM COUNTY

Location: Strachan Ave. near Vernon River, Savannah Well No.: GGS 395
 Owner: No. 1 Boy Scouts (Savannah)
 Driller: Layne-Atlantic Company
 Drilled: 1954

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine to medium-grained, angular, arkosic, finely disseminated phosphatic grains.....	25	25
Clay: dark-gray, silty, lignitic, micaceous, fossiliferous (macroshells at certain horizons).....	10	35
Sand: coarse-grained, subangular, phosphatic, arkosic.....	10	45
Miocene (Undifferentiated):		
Clay: dark-green, sandy, phosphatic at depth.....	180	225
Reddish-brown, phosphatic fragments common at 107-117.		
Limestone: light-gray, dense, somewhat dolomitized and saccharoidal, sandy, phosphatic, fossiliferous (fragments and casts and molds of megafossils, and some Foraminifera).....	25	250
<i>Elphidium</i> cf. <i>E. discoidale</i> , <i>Cibicides concentricus</i> at 225-230.		
Oligocene (Undifferentiated):		
Limestone: light gray to cream, nodular to granular (in texture); much calcitized, soft (somewhat weathered) and chalky, fossiliferous (echinoid and bryozoan remains, Ostracods, and Foraminifera).....	79	329
<i>Rotalia mexicana</i> var., <i>Nonionella hantkeni</i> var. at 250-260.		

	Thickness (feet)	Depth (feet)
Summary:		
Pliocene to Recent (undifferentiated).....	45	45
Miocene (undifferentiated).....	205	250
Oligocene (undifferentiated).....	79	329

Potential Water-Bearing Zones:

Limestone	79	329
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CHATHAM COUNTY

Location:
 Owner: No. 1 American Petroleum Company
 Driller: Layne-Atlantic Company

Well No.: GGS 396
 Elev.: 16¹

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine-grained, phosphatic (finely disseminated).....	5	5
Clay: bluish-gray to red (mottled), very sandy, micaceous; sand, as above.....	5	10
Sand and clay: as above; some clay, dark-brown, somewhat indurated, lignitic, micaceous.....	8	18
Sand: coarse-grained (up to gravel size), subrounded, arkosic.....	7	25
Miocene (Undifferentiated):		
Clay: yellowish to dark-green, sandy, phosphatic, micaceous (finely disseminated flakes); interbedded dolomitic lime- stone, light-brown, saccharoidal, sandy, phosphatic.....	190	215
Phosphatic pebbles common at 75-85.		
Dolomitic limestone prominent at 140-150.		
Limestone: white, dense, sandy, phosphatic, fossiliferous (fragments, casts and molds of megafossils, and some Ostra- cods and Foraminifera).....	15	230
<i>Elphidium</i> sp., <i>Nonion pizarensis</i> , <i>Valvulineria floridana</i> , <i>Nonion advena</i> , <i>Discorbis subaraucana</i> , <i>Cibicides lobatulus</i> , <i>Cibicides concentricus</i> at 210-220.		
<i>Pyrgo</i> sp. at 220-230.		
No samples	10	240

¹Average elevation taken from State Highway map.