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

Stephen M. Herrick, Geologist United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

ATLANTA 1961

BULLOCH COUNTY

Location:	Well	No.: GGS	432
Owner: No. 1 Nevils Elementary School Driller: Layne-Atlantic Company	a 5		Α.
Drilled: November 1954	• .	Thickness (feet)	Depth (feet)
1			
Pliocene to Recent (Undifferentiated):		* 1	
Sand: fine to coarse-grained, arkosic; some clay, to tan to red (mottled), sandy, limonitic		20	20
Miocene (Undifferentiated):			
Clay: yellowish-green to purple, sandy		35	55
Clay: yellowish-green, sandy, cherty; interbedded to coarse-grained, phosphatic	sand, fine	*	. 270
Brown phosphatic pebbles and pale-green chert at 65-70.	prominent		1 ,
Fine to coarse-grained phosphatic sand at 85-10	5.	•	
Sand: fine to coarse-grained, phosphatic		40	310
Clay: dark-green, sandy, phosphatic; interbedded white, sandy	l limestone,	20	330
Dolomitic limestone: light-brown, saccharoidal, sa phatic, fossiliferous (macroshells)		20	350
Clay: dark-green to gray, very sandy, phosphatic ous (macroshells)	, fossilifer-	20	. 370
Limestone: light to dark-gray, extremely dense (tized), very sandy, coarsely phosphatic, fossilife ments and casts of megafossils)		10	380
Oligocene (Undifferentiated):	e	** -1	
Limestone: pinkish to cream, very dense and mas calcitized), nodular, somewhat colitic, cherty, f (casts and molds of megafossils and some Forar	ossiliferous	80	460
Asterocyclina ¹ sp., Gypsina globula ¹ , Pyrgo s mexicana var., at 380-385. Dictyoconus ¹ sp. at 395-400. Asterocyclina sp., Operculinoides ¹ sp. at 415-420 Argyrotheca sp. at 435-455.			

¹Reworked(?) fossil of middle Eocene age.

		Thickness	Depth
Summ	ary:	(feet)	(feet)
Pliocene to Recent (undifferentiated)		20	20
Miocene (undifferentiated)		360	380
Oligocene (undifferentiated)		80	460
,,,,,,,,,,,,,,			
Potential Water-	Bearing Zones:		
Sand: fine to coarse-grained		20	105
Sand: fine to coarse-grained		40	310
Limestone		80	460
•			•
	Y		
<u> </u>	, RIII	LOCH CO	IINTV
	, a BUI	LOCH CO	ONII
Location: In Brooklet	Well	No.: GGS	553
Owner: No. 1 City of Brooklet	. Elev	.: 1591	
Driller: M. M. Gray Drilling Company	· 3		
Drilled: 1957		1	
	,	Thickness (feet)	Depth (feet)
		(Ieet)	, (1eet)
Pliocene to Recent (Undifferentiated): Sand: fine to coarse-grained, angular			√
clay, mottled, sandy		50	50
Miocene (Undifferentiated):	, a	AT	; *
Clay: pale, yellowish-green, sandy, pho	enhatic and fossilifor	• •	
ous at depth; interbedded sand, fine t	o coarse grained phos-	,	
phatic		250	300
/ 4		200	500
Limestone, white, sandy, phosphatic 50-60.	, with macroshells at	¥ 18.	
Black phosphatic pebbles common at	50-60.	* *	
Macroshells prominent at 150-160.	* * *.		
Dolomitic limestone: light-brown, sacc			310
6	100		. 010
No samples		15	325
		. *	
In Oligocene (Undifferentiated):	• •		(5)
Timostono, anam	, , , , , , , , , , , , , , , , , , ,	* * *	
Limestone: cream, massive, somewhat			
somewhat saccharoidal and whiter at		A** , , or.	*
ferous (casts and molds of Gastropo		v. :110 ·	- 100
zoan remains, Ostracods, and Foram	mintera)	140	· 465

Average elevation taken from State Highway map.