

Owner: Roy H. Massey #1 Well no.: GGS 362
 Location: Glynn County Elevation:
 Drifter: E. B. LaRue
 Drilled:
 Lithologic description by: Vaux Owen, Jr.
 Stratigraphic correlation by: Vaux Owen, Jr.

	Thickness (feet)	Depth (feet)
Undifferentiated post-Oligocene		
Sand: light olive gray 5Y 6/1, fine-to coarse-grained, sub-rounded, sub-rounded, poorly sorted, clear quartz, clean; feldspar and phosphate common, garnet rare; shell fragments abundant	20	20
Do	20	40
Calcareous sand: light olive gray 5Y 6/1, medium- to coarse-grained, sub-rounded, poorly sorted, clear quartz; limestone cement abundant; feldspar and phosphate common; shell fragments abundant	20	60
Phosphatic sand: light gray N7, fine- to medium-grained abundant, coarse-grained common, well-rounded, fair-sorted, clear quartz, clean; phosphate and feldspar abundant; limestone rare, dark gray, sandy, finely crystalline; shell fragments rare	20	80
Sand: light olive gray 5Y 6/1, fine- to very coarse-grained, sub-rounded to well-rounded, poorly sorted, clear quartz, clean; feldspar and phosphate abundant; limestone common, dark gray, sandy, finely crystalline; shell fragments common	20	100
Sand: light olive gray 5Y 6/1, medium- to coarse-grained, well-rounded, fair-sorted, clear quartz; feldspar and phosphate abundant; garnet rare. Limestone common, dark gray, sandy, finely crystalline	20	120

Thickness Depth
(feet) (feet)

Limestone: yellowish gray 5Y 8/1, bioclastic; saccharoidal dolomitic limestone common; bryozoa and forams common 20 1140

possible base of Ocala

Limestone: yellowish gray 5Y 8/1, bioclastic; saccharoidal dolomitic limestone rare; glauconite common; forams common 20 1160

Limestone: yellowish gray 5Y 8/1, bioclastic to aphanitic; saccharoidal dolomitic limestone rare; bryozoa common; forams abundant 20 1180

Apparently mostly from Ocala (620-1160). Also greatly contaminated with post-Oligocene (0-580)

Limestone: yellowish gray 5Y 8/1, bioclastic to aphanitic; saccharoidal dolomitic limestone common; forams common 20 1200

Dolomitic limestone: light olive gray 5Y 6/1, saccharoidal; pure limestone common, bioclastic 20 1220

Do 40 1260

Limestone: yellowish gray 5Y 8/1, bioclastic; saccharoidal dolomitic limestone common; bryozoa and forams common 80 1340

Apparently mostly from post-Oligocene (0-580)

Mostly feldspathic and phosphatic sand, gravel, and sandy limestone (out of place) 540 1880

Apparently mostly from Ocala (620-1160)

Limestone: yellowish gray 5Y 8/1 to light olive gray 5Y 6/1, pure to dolomitic, bioclastic to saccharoidal; bryozoa and forams common (out of place) 2734 4614

	Thickness (feet)	Depth (feet)
Do	20	140
Do	20	160
Sand; light olive gray 5Y 6/1, medium- to coarse-grained, sub-rounded, well-sorted, clear quartz, clean; feldspar and phosphate common	20	180
<i>1st appearance of green clay and chert</i> { Sand; light olive gray 5Y 6/1, medium to very coarse-grained, well-rounded, fair-sorted, clear quartz, clean; feldspar and phosphate common; greenish gray clay and chert common; limestone and shell fragments common.....	20	200
Sand; light gray N7, medium- to coarse-grained, well-rounded, well-sorted, clear quartz, clean; dark greenish gray chert rare; feldspar and phosphate common	20	220
Sand and gravel; medium light gray N6; medium-grained sand to granule gravel, well-rounded, poorly sorted, clear and milky quartz; feldspar and phosphate abundant; limestone common, gray, sandy, finely crystalline	20	240
Do	20	260
Do	20	280
Phosphatic sand; light olive gray 5Y 6/1, medium- to coarse-grained, sub-rounded, fair-sorted, clear quartz, clean; phosphate abundant; quartz granules and feldspar common; limestone common, yellowish gray, sandy, finely crystalline; shell fragments common	20	300

	Thickness (feet)	Depth (feet)
Sand and gravel; light olive gray 5Y 6/1, medium-grained sand to granule gravel, sub-rounded to well rounded, poorly sorted, clear and milky quartz, clean; phosphate abundant; feldspar common; limestone common, gray, sandy, finely crystalline	20	320
Do	20	340
Do	20	360
Do	20	380
Clay; light greenish gray 5GY 6/1, tough, brittle; interbedded very fine-to coarse-grained quartz sand and phosphate abundant	20	400
Sand and gravel: light olive gray 5Y 6/1, medium-grained sand to granule gravel, sub-rounded, poorly sorted, clear quartz, clean; phosphate and light greenish gray clay fragments abundant; feldspar common; limestone common, yellowish gray, sandy, finely crystalline	20	420
Calcareous sand: light olive gray 5Y 6/1, medium- to coarse-grained, well-rounded, poorly sorted, clear quartz; limestone abundant, white to gray, aphanitic to finely crystalline, sandy; phosphate, feldspar and and dark greenish gray clay and chert common	20	440

	<u>Thickness</u> (feet)	<u>depth</u> (feet)
Calcareous sand: light olive gray 5Y 6/1, medium- to coarse-grained, well-rounded, poorly sorted, clear quartz; limestone common, yellowish gray, sandy, aphanitic to finely crystalline; feldspar and phosphate common; shell fragments common	20	460
Do	20	480
Sand: light olive gray 5Y 6/1, medium- to coarse-grained, well-rounded, poorly sorted, clear quartz, clean; sandy limestone common; feldspar, phosphate, and quartz granules common; shell fragments common .	20	500
Do	20	520
Do	20	540
Calcareous sand: light olive gray 5Y 6/1, medium- to very coarse-grained, well-rounded, poorly sorted, clear quartz; limestone abundant, white to brownish gray, aphanitic to finely crystalline; feldspar and phosphate common; bryozoa and shell fragments common	20	560
Do	<u>20</u>	580
Total post-Oligocene	580	

	Thickness (feet)	Depth (feet)
Oligocene series		
Suwannee limestone		
Limestone: yellowish gray 5Y 8/1, oolitic; ^{v. fine-grained} glauconite and fine-to medium-grained quartz sand common	20	600
Limestone: yellowish gray 5Y 8/1, bioclastic and oo- litic; fine recrystallization common; ^{v. fine-grained} glauconite common; bryozoa abundant; shell fragments common ..	20	620
Total Suwannee limestone	40	
Upper Eocene series		
Jackson group		
Ocala limestone		
Limestone: yellowish gray 5Y 8/1, bioclastic; bryozoa abundant; shell fragments common	220	850
Limestone: yellowish gray 5Y 8/1, aphanitic, oolitic and bioclastic; bryozoa, shell fragments, and forams common; glauconite rare to common	100	940
Dolomitic limestone: yellowish gray 5Y 8/1, aphanitic, bioclastic, oolitic, and saccharoidal; bryozoa and forams common	140	1080
Dolomitic limestone: pale yellowish brown 10YR 6/2, saccharoidal; bioclastic and oolitic pure limestone fragments common	20	1100
Dolomitic limestone: pale yellowish brown 10 YR 6/2 to dark yellowish brown 10YR 4/2, saccharoidal; pure limestone rare, bioclastic and oolitic	20	1120

	Thickness (feet)	Depth (feet)
Summary:		
Pliocene to Recent (undifferentiated)	150	150
Miocene (undifferentiated)	374	524
Oligocene (undifferentiated)	31	555
Upper Eocene (Ocala limestone)	460	1,015

Potential Water-Bearing Zones:

Limestone	334	858
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Remarks:

Samples of poor quality.

GLY-OT-3

GLYNN COUNTY

Location: 5 mi. southwest of Brunswick
 Owner: No. 1 Roy Massey
 Driller: E. B. LaRue Drilling Company

Well No.: GGS 362
 Elev.: 20
 (derrick floor)

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine-grained, finely disseminated phosphatic grains; interbedded clay, dark-gray, lignitic, micaceous, fossiliferous (megafossils at certain horizons)	40	40
Limestone: gray to light-brown, dense (much calcitized), saccharoidal, sparsely phosphatic, fossiliferous (casts of megafossils)	20	60
Sand: fine to coarse-grained, rounded, phosphatic	120	180
Miocene (Undifferentiated):		
Clay: dark-green, silty, phosphatic, cherty; interbedded sand, fine to coarse-grained, phosphatic	120	300
Dolomitic limestone: light-brown, sandy, phosphatic; sand, fine to coarse-grained, phosphatic	60	360
Same lithology as above but with increasing amounts of dark-green sandy clay	40	400
Sand: fine to coarse-grained, phosphatic; interbedded limestone, white, sandy, fossiliferous (macroshells); some clay, as above	180	580

Oligocene (U

Limestone: c

Rotalia b₂

Upper Eocene

Limestone: s

remains, r

*Operculina**Gypsina g**Pseudophr**Amphisteg*

Middle Eocene

Limestone:

limestone,

*Lepidocyclus**cellensis a*

Pliocene to Re

Miocene (undi

Oligocene (un

Upper Eocene

Middle Eocene

Sand: fine to

Sand: fine to

Limestone

WELL LOGS OF THE COASTAL PLAIN OF GEORGIA

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Thickness (feet)	Depth (feet)
150	150
374	524
81	555
460	1,015

Oligocene (Undifferentiated):

Limestone: cream, somewhat granular (calcitized), fossiliferous 20 600
Rotalia byramensis var. at 580-600.

Upper Eocene: Jackskon Group: Ocala Limestone:

Limestone: rather dense (calcitized), fossiliferous (bryozoan remains, macroshells, and Foraminifera) 400 1,000
Operculinoides floridensis at 600-620.
Gypsina globula at 660-680.
Pseudophragmina flintensis at 700-720.
Amphistegina pinarensis var. at 920-940.

Middle Eocene: Claiborne Group (Undifferentiated):

Limestone: white, rather calcitized; interbedded dolomitic limestone, brown, saccharoidal 400 1,400
Lepidocyclina (Polylepidina) antillea, *Asterocyclina monticellensis* at 1000-1020.

Summary:

Pliocene to Recent (undifferentiated)	180	180
Miocene (undifferentiated)	400	580
Oligocene (undifferentiated)	20	600
Upper Eocene (Ocala limestone)	400	1,000
Middle Eocene (Claiborne group, undifferentiated)	400	1,400

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	120	180
Sand: fine to coarse-grained	150	570
Limestone	400	1,000

N COUNTY

No.: GGS 362
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ack floor)

Thickness (feet)	Depth (feet)
40	40
20	60
120	180
120	300
60	360
40	400
180	580