

**DOWN  
Construction  
Preliminary Data  
Pat Corrigan**

**Aquifer System Monitor Wells:  
Surficial IR-0900  
Intermediate IR-0946  
Floridan IR-0963**

**SJRWMD Program No. 31-58200**

**Division of Ground Water Programs,  
Department of Resource Management  
St. Johns River Water Management District  
Palatka, Florida**

**November 10, 1999**

*All data, figures, tables and information are provisional and generated  
for the Division of Ground Water Program's use.*

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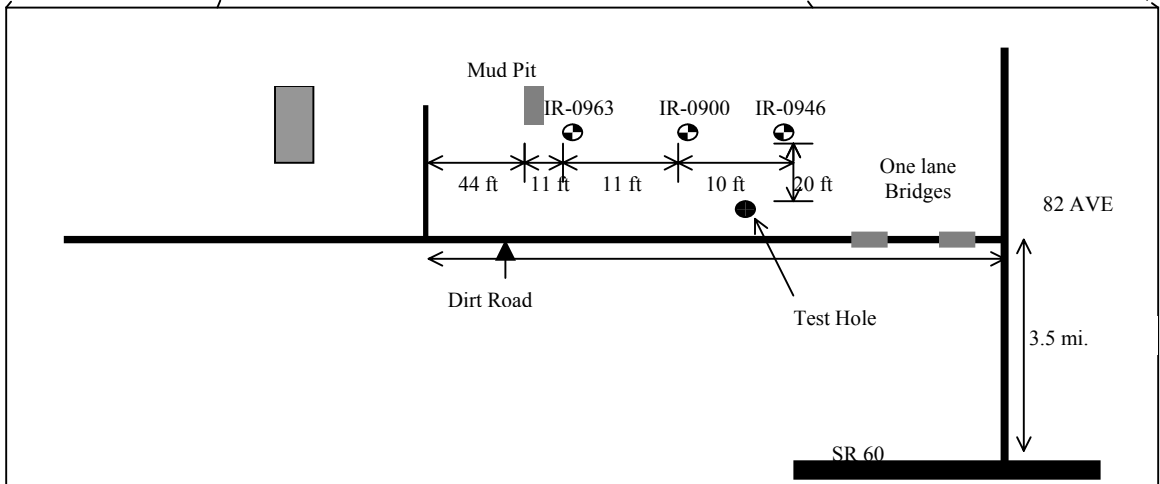
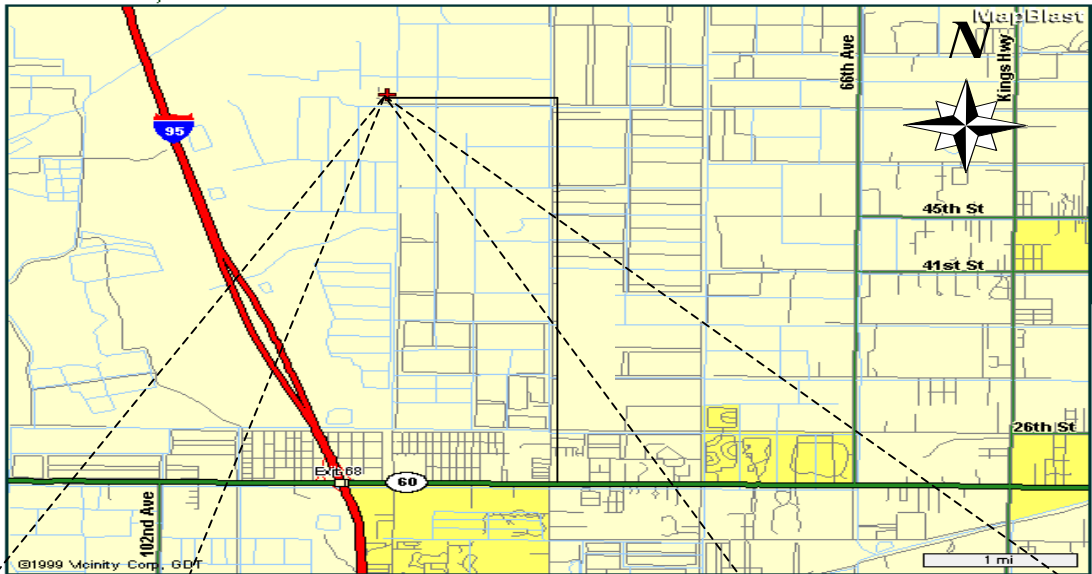
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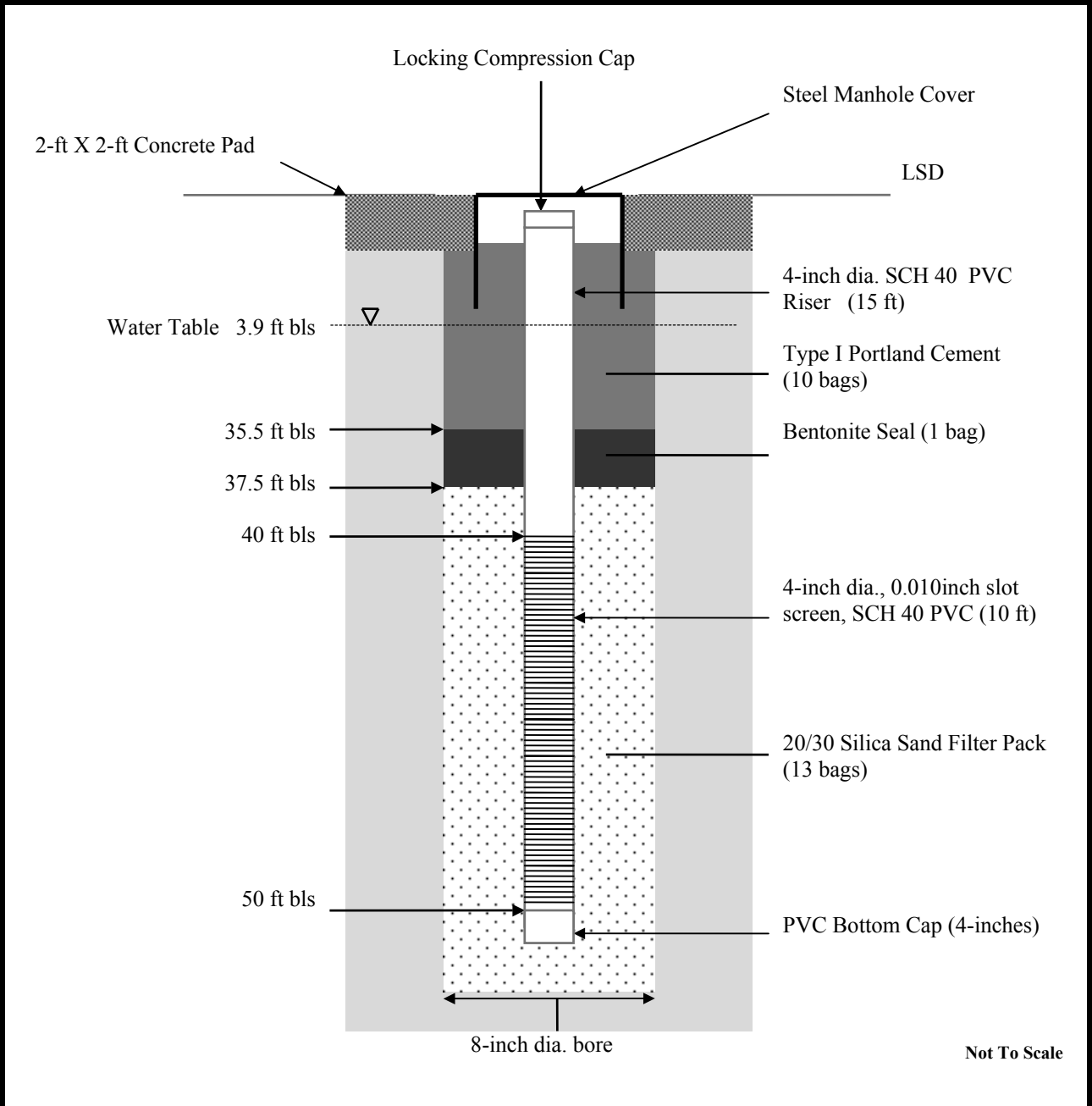
Not To Scale

**Site:** Pat Corrigan  
**GPS Lat/Long:** 274126/803049  
**TRS:** 323815  
**Topo:** Fellsmere NE  
**Site Elevation:** ~ 25 NGVD

**Project No:** 31-58200

**SJR WMD**

**Figure 1. Site Map**



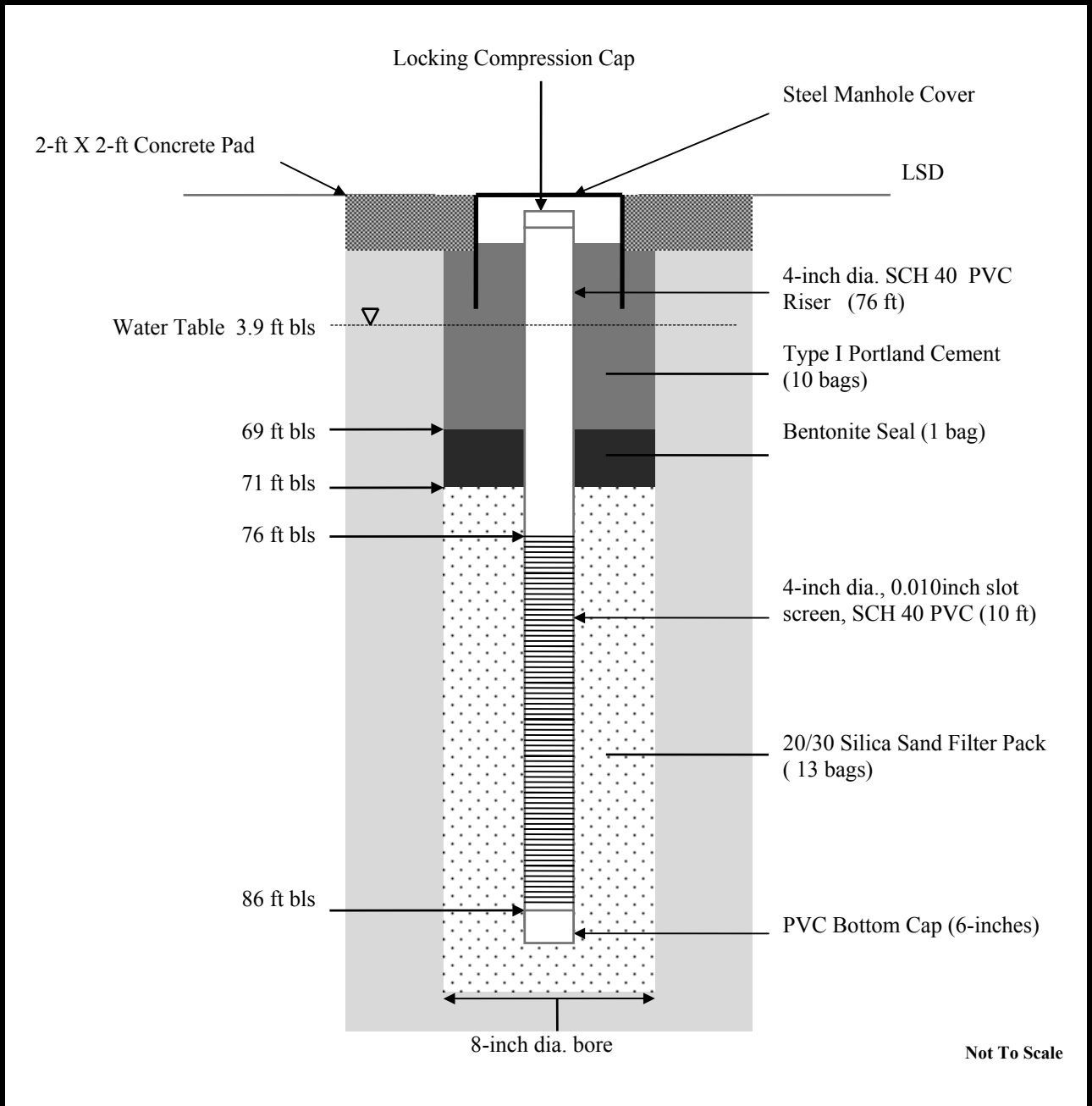
**Site:** Pat Corrigan

**Driller:** Huss Drilling Inc.

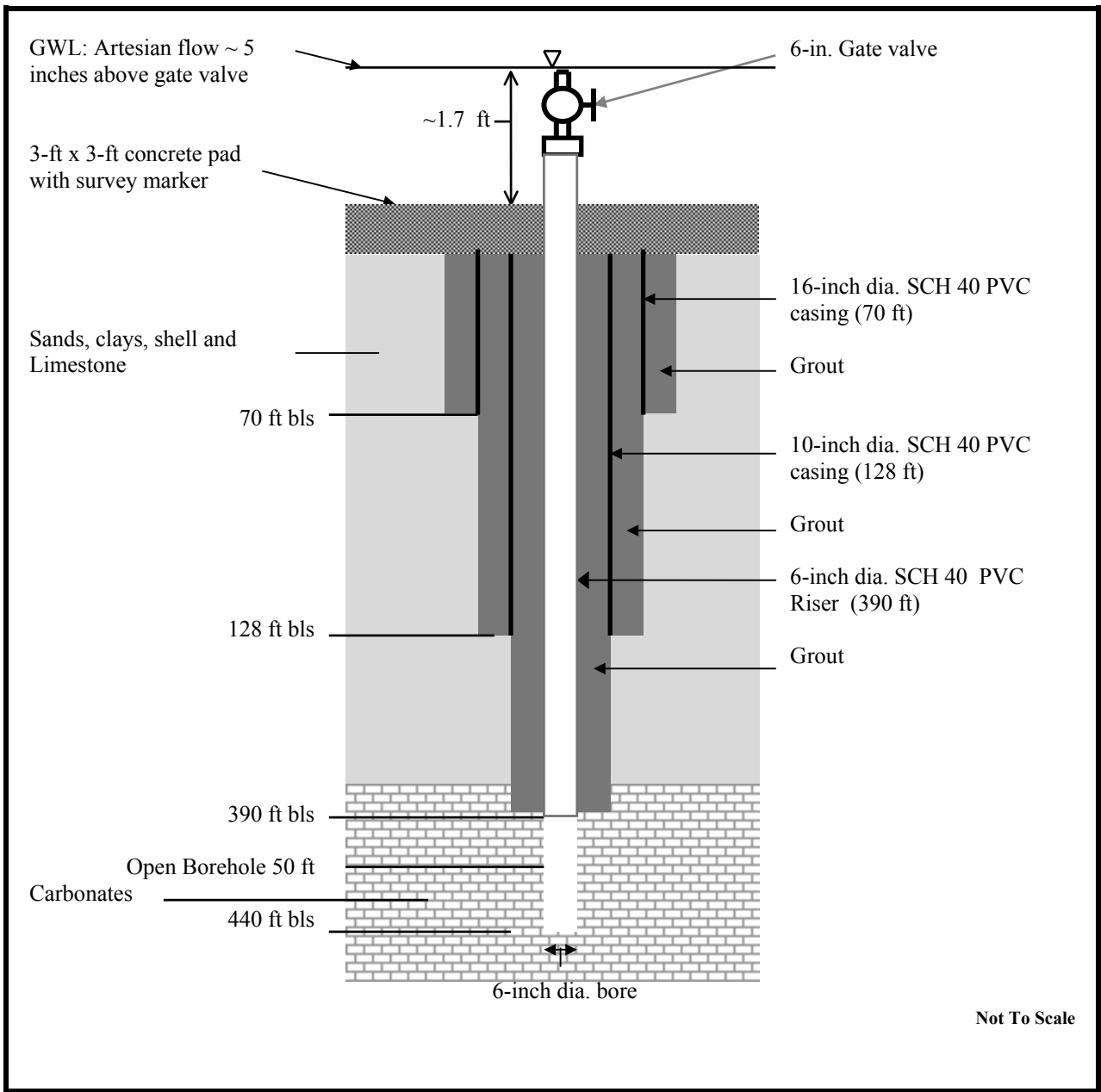
**Well Completed:** June 5, 1996

**SJRWMD**

**Figure 2. Surficial Monitor Well IR-0900**



<b>Site:</b> Pat Corrigan	<h1 style="margin: 0;">SJRWMD</h1>
<b>Driller:</b> Huss Drilling Inc.	
<b>Well Completed:</b> March 3, 1997	<b>Figure 3. Intermediate Monitor Well IR-0946</b>



**Site:** Pat Corrigan  
**Driller:** SJRWMD  
**Well Completed:** August 26, 1997

**SJRWMD**

**Figure 4. Floridan Monitor Well IR-0963**

**Table 1. Groundwater Levels**

Site: Pat Corrigan

Hydrologist: R. Brooks, A. Story

Date/Time (yymmdd/hhmm)	Well Number	Open Hole (ft, bls)	Screen Interval (ft, bls)	Depth to Water (ft, bls)
960605/1640	IR-0900	-	40-50	3.9
970305/NR	IR-0946	-	76-86	3.9
990826/NR	IR-0963	390-440	-	*Artesian

\* Artesian flow ~ 5-inches above 6-inch dia. gate valve; gate valve ~ 1.7 ft above land surface

**Table 2. Groundwater Quality After Well Completion**

Site: Pat Corrigan

Hydrologist: R. Brooks, A. Story

LAB ✓	Date/Time (yymmdd/hhmm)	Well Number	Sample Depth (ft, bls)	Open Hole (ft, bls)	Screen Interval (ft, bls)	Temp (Deg C)	pH	Chlorides (mg/L)	Conductivity (us/cm)
✓	960605/1505	IR-0900*	50	-	40-50	25	6.9	-	2678
✓	970305/0805	IR-0946**	86	-	76-86	24	7.3	-	599
✓	970826/1300	IR-0963***	440	50	-	28	-	480	2089

\*Well developed for 1.0 hrs at 30 gpm

\*\*Well developed for 2.9 hrs. at 15 gpm and 1.0 hrs. at 10 gpm

\*\*\* Well developed with reverse air for 1.0 hrs; gpm not recorded

**Table 3. Groundwater Quality**

Site: Pat Corrigan

Well Number: IR-0963 (Floridan)

Hydrologist: A. Story

Casing Depth: 390 ft

LAB ✓	Date/Time (yy:mm:dd/hh:mm)	Sample Depth (ft, bls)	Open Hole (ft)	Temp (Deg C)	Chlorides (mg/L)	Conductivity (us/cm)
	970826/1020	400	10	29	520	2026
✓	970826/1300	440	50	28	480	2089

**Table 4.****Grout Data**Site: Pat CorriganWell Number: IR-0963

DATE	TAG DEPTH (ft bls)	ANNULUS/BORE (inch dia.)	VOLUME (yds/bgs)	GROUT/MATERIAL	COMMENTS
7/29/97	70	B-22	17 bgs	grout	Set 70-ft of 16-inch dia. PVC casing; grout through tremie pipe, grout weight 15 lb/gallon
7/30/97	30	A-22	18 bgs	grout	Grout through tremie pipe; grout weight 15.1 lb/gallon
7/31/97	1	A-22	-	-	Tag only
8/05/97	128	B-15	31 bgs	grout	Set 128-ft of 10-inch dia. PVC casing; grout through tremie pipe; grout weight 15 lb/gallon
8/06/97	20	A-15	7 bgs	grout	Grout through tremie pipe; grout weight 15.1 lb/gallon
8/19/97	390	B-10	18 bgs	grout	Set 390 ft of 6-inch dia. SCH 80 PVC casing; grout through tremie pipe, grout weight 15 lb/gallon
8/20/97	320	A-10	3 yds	grout	Grout through tremie pipe; grout weight 15 lb/gallon
8/21/97	10	A-10	2 bgs	grout	6-inch dia. casing grouted to surface



## Lithologic Description

Site: Pat Corrigan

Well Number: IR-0900 (Surficial)

Samples Described By: R. Brooks

From (ft)	To (ft)	Lithology
4	6	Sand, brown, fine, organic
9	11	Sand, light greenish gray, silty to fine, minor shells
14	16	Sand, light greenish gray, fine to medium, minor shell fragments
19	20	Sand and shell, light brown, fine
20	21	Sand, gray, fine, minor shell
24	26	Sand, gray and shell, medium
29	31	Sand, gray, very fine
34	36	Sand and shell, gray, very fine
39	41	Sand, gray, fine with coarse shell fragments
44	46	Same as above (SAA)
49	51	SAA
54	56	Sand, light gray, very fine, minor very fine shell fragments and phosphate specs
59	61	Sand, gray, fine to coarse, medium shell fragments
64	66	Sand, gray, very fine, minor fine shell fragments and phosphate specs
69	71	Clay, gray, semi-stiff
74	76	Sand, gray, very fine, minor fine shell fragments and phosphate specs
79	80	SAA
80	81	Sand, gray, fine to medium, medium to coarse shell fragments
84	86	SAA
89	91	Sand, gray, silty to very fine, minor very fine shell fragments, and phosphate specs
94	96	Clay, gray, sandy, small layers of medium to coarse sand, minor shell fragments
99	101	Sand, gray, medium to coarse, medium shell fragments
104	106	Clay, gray, silty, minor fine shell fragments
109	111	Clay, light greenish gray, silty, minor sand and weathered shells
114	116	Sand, light gray, silty to fine, calcareous, minor shell fragments
119	121	SAA
124	125	Clay, light greenish gray, sandy, weathered shells and fine to medium phosphate grains
125	126	Clay, dark green, semi-stiff to stiff
129	131	Clay, green, minor sand, fine phosphate grains
134	136	Sand and clay, green, fine phosphate grains
139	141	Clay, green, stiff, very small layers of sand

## Lithologic Description

Site: Pat Corrigan

Well Number: IR-0963 (Floridan)

Samples Described By: A. Story

From (ft)	To (ft)	Lithology
0	10	Sand, light brown, med-fine
10	30	Shell and sand, light gray, fine
30	65	Shell and sand, light gray, fine, some cemented shell
65	70	Shell with clay, gray
70	90	Shell and sand, light gray, fine
90	100	Shell , gray, with minor clay
100	125	Shell and clay, gray
125	128	Clay, green, stiff
128	140	Sand, tan, fine, minor gray clay
140	200	Clay, green, stiff
200	260	Clay, green, phosphatic
260	270	Limestone, tan, semi porous, phosphatic
270	275	Clay, green, phosphatic
275	280	Chert, black and gray, well indurated
280	285	Clay, white, calcareous, phosphatic with broken limestone
285	288	Clay, green, stiff
288	300	Clay, dark green, stiff
300	301	Chert, black and gray, well indurated
301	305	Clay, green, phosphatic
305	370	Clay, dark green, stiff
370	375	Sandstone, tan, semi porous, well indurated
375	380	Limestone, white, porous, minor phosphate
380	385	Limestone, white, porous, poorly indurated
385	390	Limestone, white, porous, poorly indurated, fossils (lepidocyclina)
390	440	Limestone, light tan, semi porous, poorly indurated, fossils (lepidocyclina)

GEOPHYSICAL LOGS FOR WELL IR0963  
 Log Source: St. Johns River Water Management District

Station Name:	County: INDIANRI	Date Logged:
Well ID: IR0963	Latitude: 27D 41M 26S	Depth Logged: 442 ft.
FGS ID:	Longitude: 80D 30M 49S	Cased Depth:
Other ID:	Elevation: 25 ft.	Water Level:
Owner:	Topo: FELLSMERE 4 NE	Date Measured:

Logs Available: CAL, GAM, RES, RSN, RLN, TMP, FLR

