

**DOWN  
Construction  
Preliminary Data  
Dodger Town**

**Aquifer System Monitor Wells:  
Surficial IR-0993  
Intermediate IR-0992  
Floridan IR-1006**

**SJRWMD Program No. 31-58200**

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

**January 5, 2000**

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

**DRAFT**

I:/data/gwpcom/downrep/prelim/counties/indian/ IR1006p

12/09/02

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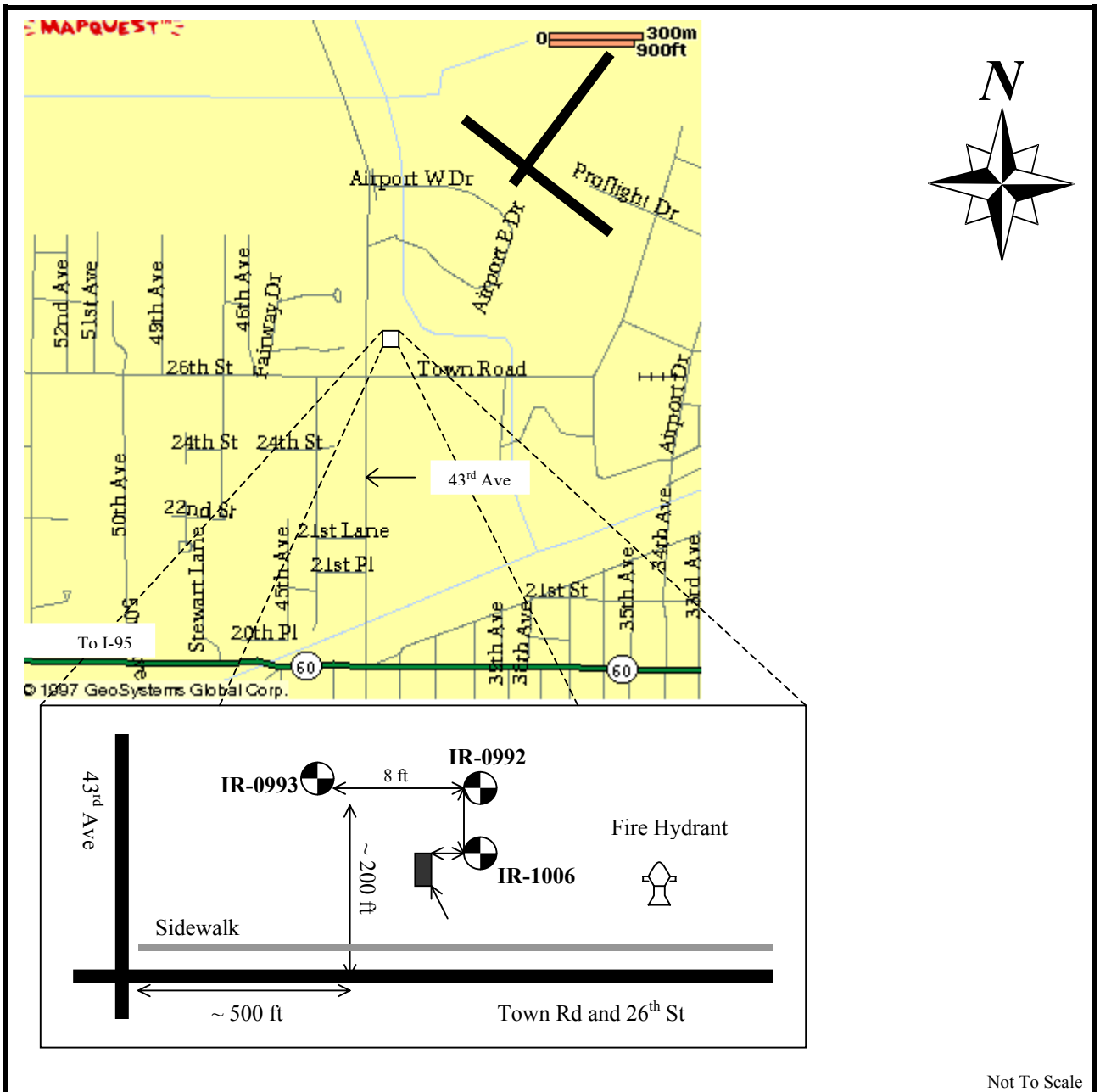
Permeability

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### **NOTES:** Dodger Town Floridan Monitor Well IR-1006

1. 10/07/99; Well completed
2. 10/20/99; Geophysically logged; hole blocked at 407 ft
3. 11/8-9/99; Huss drills out obstruction with water and rotary method

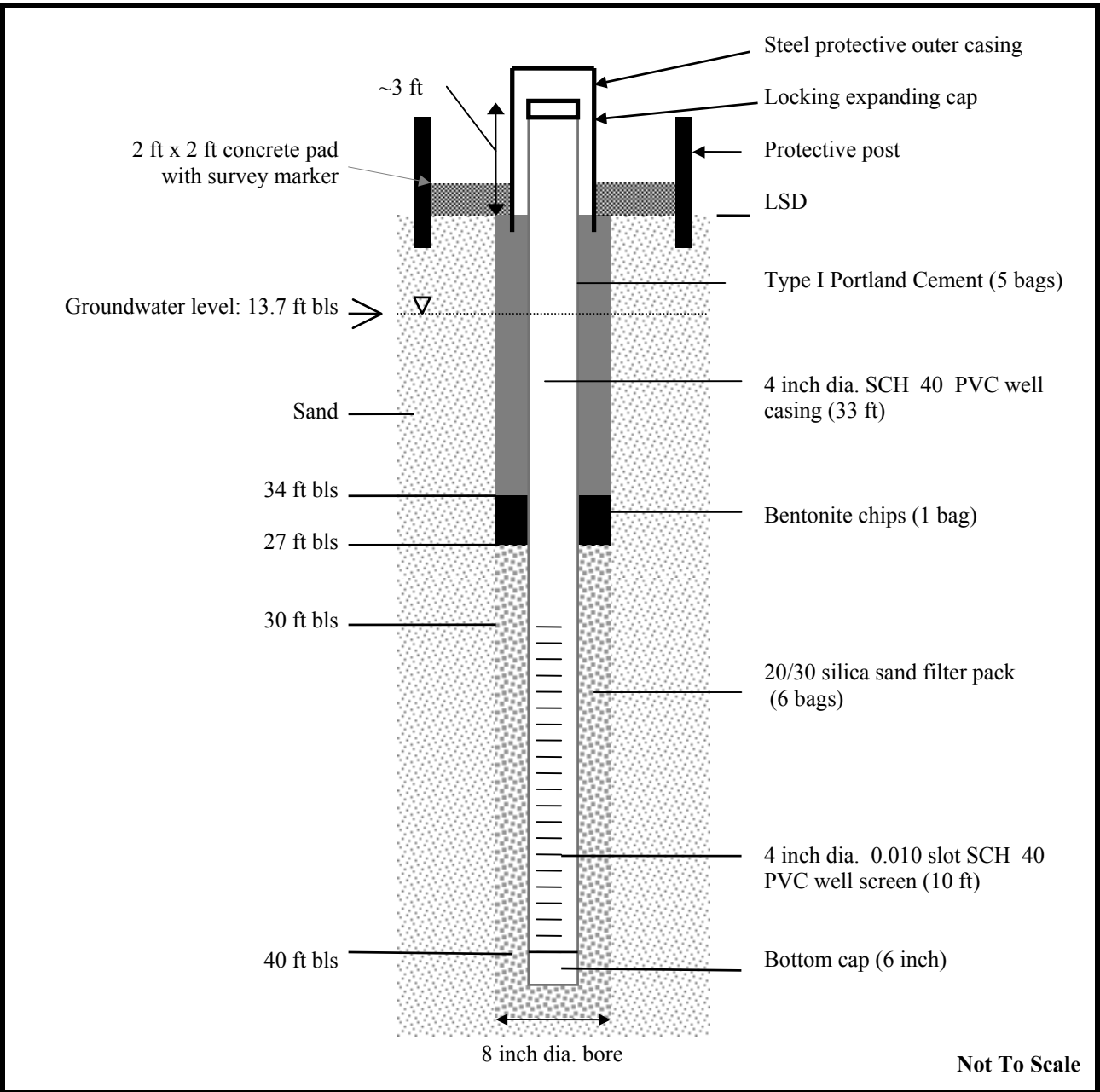


**Project:** Dodger Town  
**GPS Lat/Long:** 273847/802547  
**TRS:** 32s 39e 34  
**Topo:** Vero Beach  
**Site Elevation:** ~ 20 ft NGVD

**Project No:** 31-58200

**SJR WMD**

**Figure 1. Site Map**

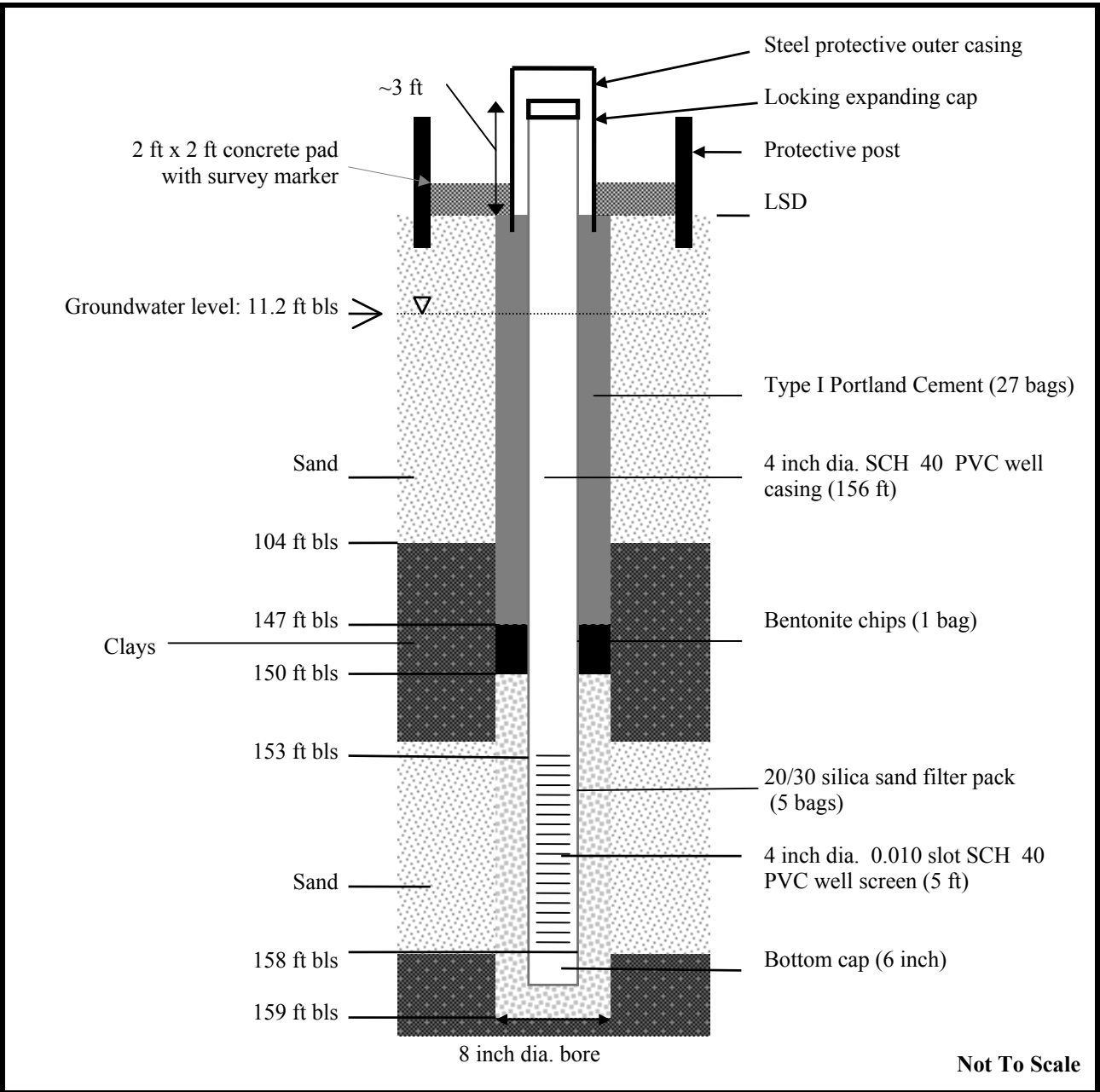


Site: Dodger Town

**SJRWMD**

Well Completed: March 5, 1999

Figure 2. Surficial Monitor Well IR-0993

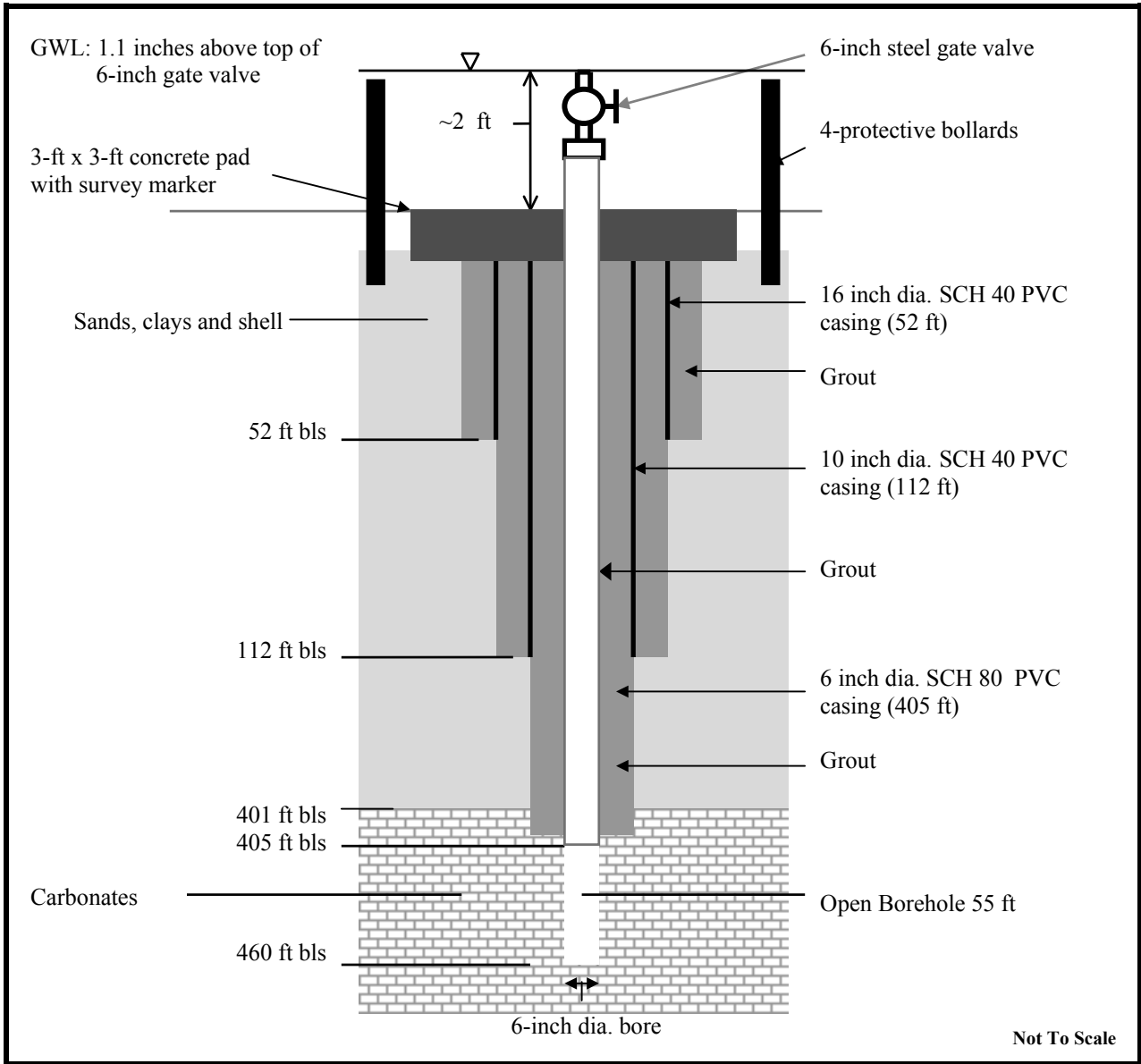


Site: Dodger Town

**SJRWMD**

Well Completed: March 5, 1999

**Figure 3. Intermediate Monitor Well IR-0992**



**Site:** Dodger Town

**Driller:** SJRWMD

**Well Completed:** October 12, 1999



**Figure 4. Floridan Monitor Well IR-1006**

**Table 1. Groundwater Levels**

Site: Dodger Town

Hydrologist: R. Brooks

Well	Date/Time (yymmdd/hhmm)	Screened Interval (ft, bls)	Open Hole (ft)	Depth to Water (ft, -=BTOC, += ATOC)	Stick-up (ft)
IR-0993	990305/1315	30-40	-	-16.7	~3
IR-0992	990305/1315	53-58	-	-14.2	~3
*IR-1006	991108/1415	-	405-460	+0.1	~2

\* Artesian flow estimated 100 gpm

**Table 2. Drilling Data**

Site: Dodger Town

Well Number: IR-1006

Hydrologist: Alan Story

Casing Depth: Ref Grout Table

Date (yymmdd)	From (ft, bls)	To (ft, bls)	Drilling Method Mud/Rev. Air	Bit Size (inch)	Time (min)	Rate (ft/hr)
990901	112	130	M	9 <sup>7/8</sup>	22	49
990901	130	150	M	9 <sup>7/8</sup>	22	55
990901	150	170	M	9 <sup>7/8</sup>	33	36
990901	170	190	M	9 <sup>7/8</sup>	47	26
990901	190	210	M	9 <sup>7/8</sup>	14	86
990901	210	230	M	9 <sup>7/8</sup>	6	200
990901	230	250	M	9 <sup>7/8</sup>	14	86
990901	250	270	M	9 <sup>7/8</sup>	228	5
990902	270	287	M	9 <sup>7/8</sup>	230	4
990907	287	290	M	9 <sup>7/8</sup>	50	4
990908	290	308	M	9 <sup>7/8</sup>	480	2
990909	308	310	M	9 <sup>7/8</sup>	55	2
990909	310	330	M	9 <sup>7/8</sup>	178	7
990909	330	337	M	9 <sup>7/8</sup>	53	8
990921	337	350	M	9 <sup>7/8</sup>	92	8
990921	350	370	M	9 <sup>7/8</sup>	4	300
990921	370	390	M	9 <sup>7/8</sup>	7	171
990922	390	410	M	5 <sup>1/2</sup>	15	80
991007	410	420	M	5 <sup>1/2</sup>	5	120
991007	420	440	M	5 <sup>1/2</sup>	10	120
991007	440	460	RA	5 <sup>1/2</sup>	15	80

**Table 3. Groundwater Quality And Development**

Site: Dodger Town

Well Number: IR-0993 (Surficial)

Hydrologist: R. Brooks

LAB ✓	Date/Time (yyymmdd/hhmm)	Rate (gpm)	Σ Vol (gal)	Screen Interval (ft)	Temp (Deg C)	pH	Chlorides (mg/L)	Conductivity (us/cm)
✓	990305/1250	10	750	30-40	25.0	5.8	NR	850

**Table 4. Groundwater Quality And Development**

Site: Dodger Town

Well Number: IR-0992 (Intermediate)

Hydrologist: R. Brooks

LAB ✓	Date/Time (yyymmdd/hhmm)	Rate (gpm)	Σ Vol (gal)	Screen Interval (ft)	Temp (Deg C)	pH	Chlorides (mg/L)	Conductivity (us/cm)
	990304/1815	5.5	245	153-158	NR	NR	NR	NR
✓	990305/1250	7.0	420	153-158	25.5	6.6	NR	759

**Table 5. Groundwater Quality And Development**

Site: Dodger Town

\*Well Number: IR-1006 (Floridan)

Hydrologist: A. Story

LAB ✓	Date/Time (yyymmdd/hhmm)	Casing Depth (ft, bls)	Open Hole (ft)	Temp (Deg C)	pH	Chlorides (mg/L)	Conductivity (us/cm)
✓	991011/1415	460	55	27.4	7.4	185	1056

\* Well developed with air 440 ft bls for 30 min. at ~250 gpm and with reverse air 460 ft bls for 85 min. at ~ 50 gpm; well flows ~100 gpm



**Table 6.****Grout Data**Site: Dodger TownWell Number: IR-1006

DATE	TAG DEPTH (ft bls)	ANNULUS/BORE (inch dia.)	VOLUME (yds/bags)	GROUT/MATERIAL	COMMENTS
8/24/99	52	A-22	20 bags	grout	Set 52-ft of 16-inch dia. PVC casing
8/25/99	26	A-22	18 bags	grout	Grout through tremie pipe with return
8/26/99	3	A-22	3 bags	grout	Casing grouted to surface
8/30/99	112	A-15	20 bags	grout	Set 112-ft of 10-inch dia. PVC casing
8/31/99	53	A-15	20 bags	grout	Grout through tremie pipe
9/01/99	0	A-15	-	-	Casing grouted to surface
10/05/99	410	B-10	3 yds	grout	Pressure grout 405-ft of 6-inch dia. PVC casing
10/06/99	387	B-6	-	-	Grout tag inside 6-inch dia. PVC casing
10/06/99	170	A-10	2.5 yds	grout	Grout through tremie pipe; return of grout
10/07/99	10	A-10	4 bgs	grout	Casing grouted to surface

**Lithologic Description**

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Site: Dodger Town

Well Number: IR-0992 (Intermediate)

Samples Described By: R. Brooks

From (ft)	To (ft)	Hammer Blow Counts	Lithology
4	6	3/5/7/7	Sand, gray, medium
9	11	3/6/12/12	Sand, gray, medium
14	16	7/15/16/11	Sand, dark brown, very fine to medium, highly organic, tightly packed
19	21	2/5/9/9	Sand, brown, medium
24	26	2/4/9/7	Sand, brown, fine to medium
29	31	10/23/25/27	Sand, gray, fine with very fine shell fragments (~10%)
34	36	30/54/50-6	Sand, gray, fine with very fine shell fragments (~10%)
39	41	23/50-6	Sand, gray, fine with very fine shell fragments (~20%)
44	46	37/50-4	Sand, gray, fine with very fine to very coarse shell fragments (~20%)
49	51	20/40/50-5	Sand, gray, fine with very fine to very coarse shell fragments (~20%)
54	56	19/37/50-5	Sand, gray, fine with very fine to very coarse shell fragments (~30%)
59	61	23/42/37/35	Sand, gray, fine with very fine to very coarse shell fragments (~30%)
64	66	16/35/19/6	Sand, gray, fine with very fine to very coarse shell fragments (~30%)
69	71	7/11/24/16	Sand, greenish gray, very fine with very fine shell (~10%)
74	76	7/19/16/4	Sand, dark gray, very fine, tightly packed, with black shell (10 %)
79	81	3/7/12/7	Sand, dark gray, to black, fine to medium, small layers of clay, light green, indurated in areas, shell , black (~30%), Phosphate?, rounded medium to coarse
84	86	7/14/19/21	Sand, light greenish gray, very fine to medium, very silty in areas, shell ~20 %
89	91	9/11/18/20	Sand, light greenish gray, silty to very fine with very fine shell
94	96	11/23/33/20	Sand, light greenish gray, silty to very fine with very fine shell
99	101	13/18/15/12	Sand, light greenish gray, medium to coarse
104	106	2/3/3/5	Clay, light green, stiff, very fine shell inclusions
109	111	Shelby tube	Clay, light green, stiff, very fine shell inclusions
114	118	Cuttings	Clay, green, with very fine shell, indurated

**Lithologic Description**

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Site: Dodger Town

Well Number: IR-0992 (Intermediate)

Samples Described By: R. Brooks

<b>From (ft)</b>	<b>To (ft)</b>	<b>Hammer Blow Counts</b>	<b>Lithology</b>
118	120	7/11/12/13	Clay, light green, stiff, indurated in areas, very fine shell inclusions and medium phosphate pebbles
124	126	3/5/5/6	Clay, green, stiff
129	131	Shelby tube	Clay, green, stiff
134	136	5/7/8/9	Clay, green, stiff
139	141	3/5/7/9	Clay, green, stiff with discrete layers of sand, medium
144	146	3/5/7/12	Clay, green, stiff with discrete layers of sand, medium
149	151	5/7/10/11	Clay, green, sandy
154	156	23/20/24/30	Sand, green, fine to medium
159	160	2/2/5/8	Clay, green, stiff, sandy in some areas
161	163	Shelby tube	Clay, green, stiff

## Lithologic Description

Site: Dodger Town

Well ID: IR-1006 (Floridan)

Samples Described By: A. Story

From (ft)	To (ft)	Lithology
112	125	Shell and sand, light gray, fine; minor clay, light green
125	175	Clay, green
175	190	Clay, dark green, stiff
190	205	Clay, light green, minor phosphate
205	250	Clay, green
250	270	Clay, dark gray, very stiff
270	285	Clay, green, very stiff
285	286	Chert, green,
286	320	Clay, green, very stiff
320	330	Clay, green, phosphatic
330	346	Clay, green, moderately stiff
346	400	Sandstone, light gray, semi porous, poorly indurated with white clay
400	401	Chert, gray, moderately indurated
401	453	Limestone, light tan, semi porous, poorly indurated, lepid
453	460	Limestone, light tan, porous, moderate induration

**Table 7. \*Permeability**

Site: Dodger Town

Well Number: IR-0992

MONITORING WELL		Sample Depth (ft, bls)	Moisture Content (%)	Dry Density (PCF)	Coefficient Of Permeability (cm/sec)
Site	Well ID				
Dodger Town	IR-0992	109-111	35	84.5	1.1 x 10 <sup>-6</sup>
Dodger Town	IR-0992	129-131	68	54.5	8.9 x 10 <sup>-7</sup>
Dodger Town	IR-0992	161-163	52	72.0	4.2 x 10 <sup>-5</sup>

\* Permeability test (ASTM D 5084) performed by Law Engineering and Environmental Services, Inc.

# Geophysical Logs

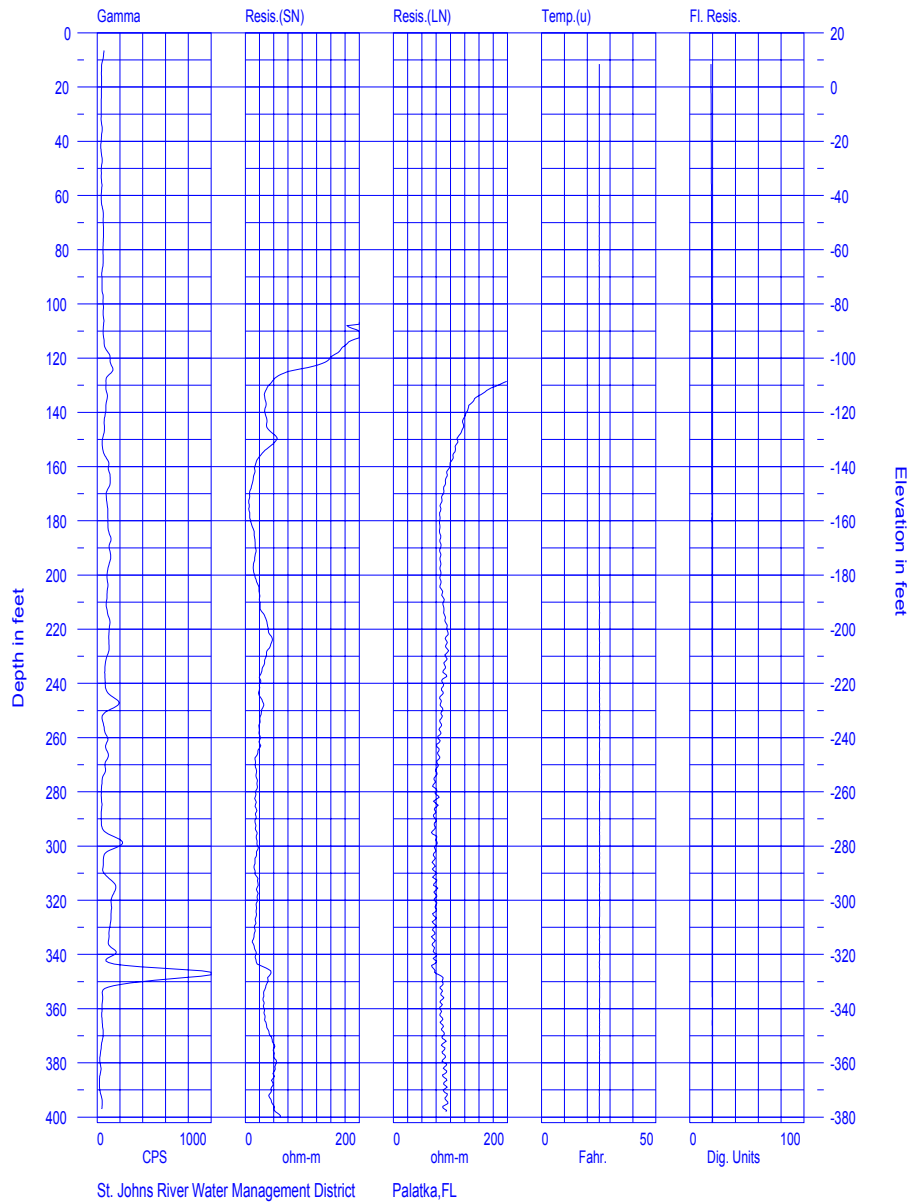
Site: Dodger Town  
St

Monitor Well: IR-01006

Well ID: IR1006  
Logger: Shane Dossat

Latitude: 27D 38M 47S

Depth Logged: 402 ft.  
Date Logged: 10/5/1999



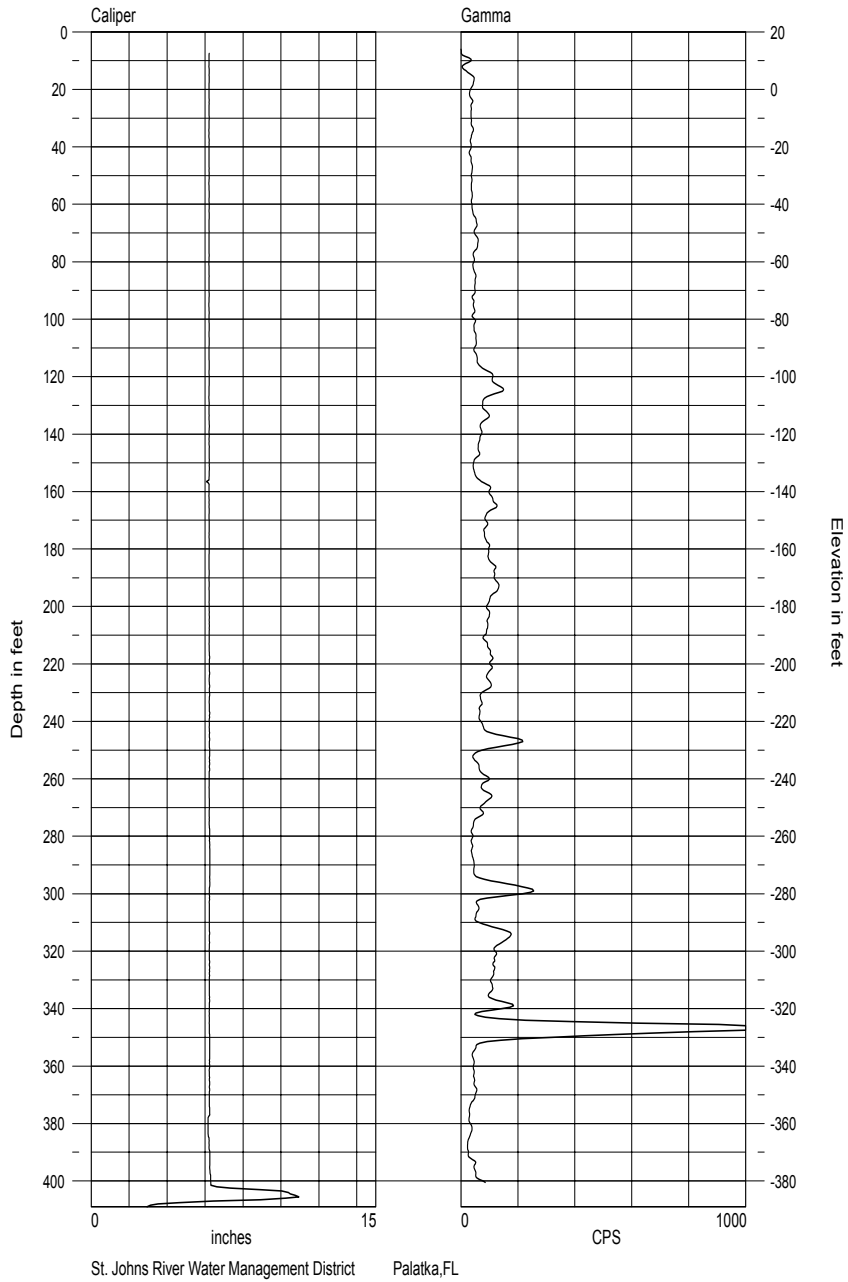
# Geophysical Logs

Site: Dodger Town

Monitor Well: IR-01006

Logger: Shane Dossat

Date Logged: 10/20/1999



# Geophysical Logs

**Site: Dodger Town**  
Station Name:

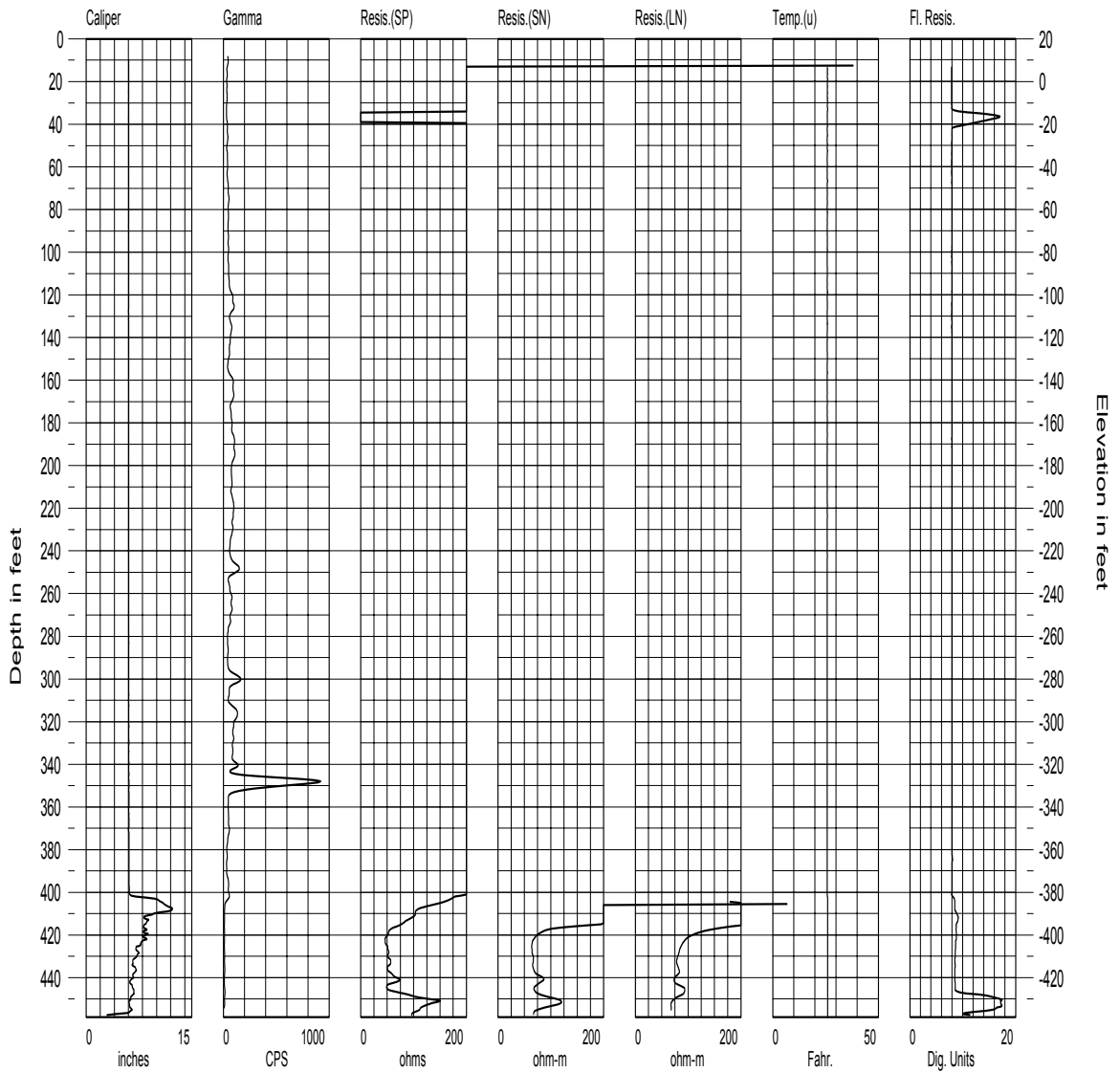
County: INDIANRI

**Monitor Well: IR-01006**  
Date Logged:

**Logger: Shane Dossat**  
Logger:

Longitude: 80D 25M 48S

**Date Logged: 11/15/1999**  
Date Logged:



St. Johns River Water Management District Palatka, FL