

**SJRWMD
HDS
2009 Station Analysis
V-0922 Crescent Lake Conservation Area Wells**

Station ID: 30292824, 4-inch diameter, 12.5 ft. deep SF well.

2009 Records: Hourly WLs: 12:00_01/15/2009 – 00:00_01/01/2010
Random WLs: 01/09//2009 – 12/16/2009

History of Monitoring: Hourly WLs: 12:00_01/15/2009 – 00:00_01/01/2010
Random WLs: 12/05/2008 – 12/16/2009

MP Elevation	V-0922
04/07/2008 Well drilled	500.
01/09/2009 HDS moved assumed MP to top of PCV flange	500.03
09/29/2009 SJR NGS/DEP Survey	20.52 black mark SE side of gray retainer ring

Equipment: CR1000 telemetry and a 105 encoder.

Calibration: Two (2) manual water levels are made at each site visit and compared to the water level recorded in the data logger to determine the accuracy of the sensor. If the manual water level and data logger are within +/- 0.02, the station is considered in calibration.

Summary: Dates of site visits and comments are listed below:

12:00:00_01/15/2009 Telemetry installed.
08:51:00_02/02/2009 Well taken offline for slug test. No adjustment back to 12:00_01/15/09.
10:59:59_02/03/2009 Station disabled for slug test.
11:00:00_02/03/2009 Matches manual measurement after slug test. Encoders re-installed.
11:20:00_02/17/2009 Manual measurement from WQ contractor QA form. No adjustment back to 09:00_02/02/2009.
12:00:00_03/17/2009 Data back to 12:00_02/17/2009 drifted by +0.16.
09:00:00_05/13/2009 Manual measurement from WQ contractor QA form before WQ. No adjustment back to 12:00:00_03/17/2009.
10:59:59_05/13/2009 Station disabled for WQ.
10:00:00_06/12/2009 Data back to 11:00:00_05/13/2009 drifted by +0.17.
10:45:00_06/12/2009 Manual measurement from QA form.
15:00:00_07/31/2009 No adjustment required back to 11:00_06/12/2009.
10:47:00_08/04/2009 Manual measurement from QA form. Site destroyed by lightening.
15:25:00_08/05/2009 Manual measurement from QA form. Began site reconstruction.
09:00:00_08/11/2009 Data back to 16:00_08/05/2009 drifted -0.07.
12:00:00_08/12/2009 Manual measurement from WQ contractor QA form. No adjustment back to 10:00_08/11/2009.
13:59:59_08/12/2009 Station disabled for WQ.
08:00:00_09/23/2009 No adjustment required back to 13:00_08/12/2009.
Data back to 12:00_01/15/2009 offset -479.51 per SJR NGS/DEP Survey 09/29/09. New NGVD 1929 MP=20.52.
10:00:00_12/16/2009 Data back to 0800_09/23/2009 offset -479.51 per SJR NGS/DEP Survey 09/29/09. New NGVD 1929 MP=20.52. As found data was off probably due to slipped tape during WQ. Data back to 08:00_09/23/2009 drifted -0.78.
10:00:00_02/10/2010 Data back to 11:00_12/16/2009 drifted + 0.10 to match WQ measurement.

2009 Quality Summary

Quality	Subtotal	%	Reliable Data	Unreliable Data
2	344.23 Days	94.31	350.50 Days 96.03%	14.50 Days 3.97%
150	6.27 Days	1.72		
Gap	14.50 Days	3.97		

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V-0922 Crescent Lake Conservation Area Wells**

Historical Quality Summary

Quality	Subtotal	%	Reliable Data	Unreliable Data
2	1.12 Years	98.46	1.13 Years 100.00%	0.00 Second 0.00%
150	6.36 Days	1.54		

Totals 1.13 Years 100.00

V-0922 Trends with Niles Road Well, P-0742, 02341266

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
HYDROLOGIC DATA SERVICES
STATION DESCRIPTION

**Crescent Lake Conservation Area Wells
(V-0922)**

Updated on: 10/30/09 by Ty Heidelberger

Description prepared by: Ty Heidelberger

Station established on: Drilled 04/07/08

Description of station: 4 inch PVC non-flowing monitoring well.

Hydron number: 30292824

History of Equipment:

01/15/2009: SE-105S encoders, typical tape, weight, and float arrangement-recording hourly data through the radio and modem using radio telemetry network.

08/04/2009: Found site heavily damaged by a lightning strike. All electronic equipment destroyed.

08/05/2009: Rebuilt site: replaced RTU box, all electronics, most conduit, wires and cables.

Manual WL Requirement:

Electric Tape:

Steel Tape & Chalk:

Ground water:

Aquifer code: SF

M.P. elevation: 500.03 (assumed until surveyed)

M.P. location: TOF

Depth of well: 12.5 feet bls

Depth of casing: 15.2 feet TOC to bottom

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
HYDROLOGIC DATA SERVICES
STATION DESCRIPTION

**Crescent Lake Conservation Area Wells
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Updated on: 10/30/09 by Ty Heidelberg

Description prepared by: Ty Heidelberg

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ST JOHNS RIVER WATER MANAGEMENT DISTRICT
HYDROLOGIC DATA SERVICES
STATION DESCRIPTION

**Crescent Lake Conservation Area Wells
V 0922**

Updated on 01/22/09 by Ty Heidelberg

Description prepared by Ty Heidelberg

Station established on Drilled 04/07/08

Description of station 4 inch PVC ground water monitoring well

Hydron number 30292824

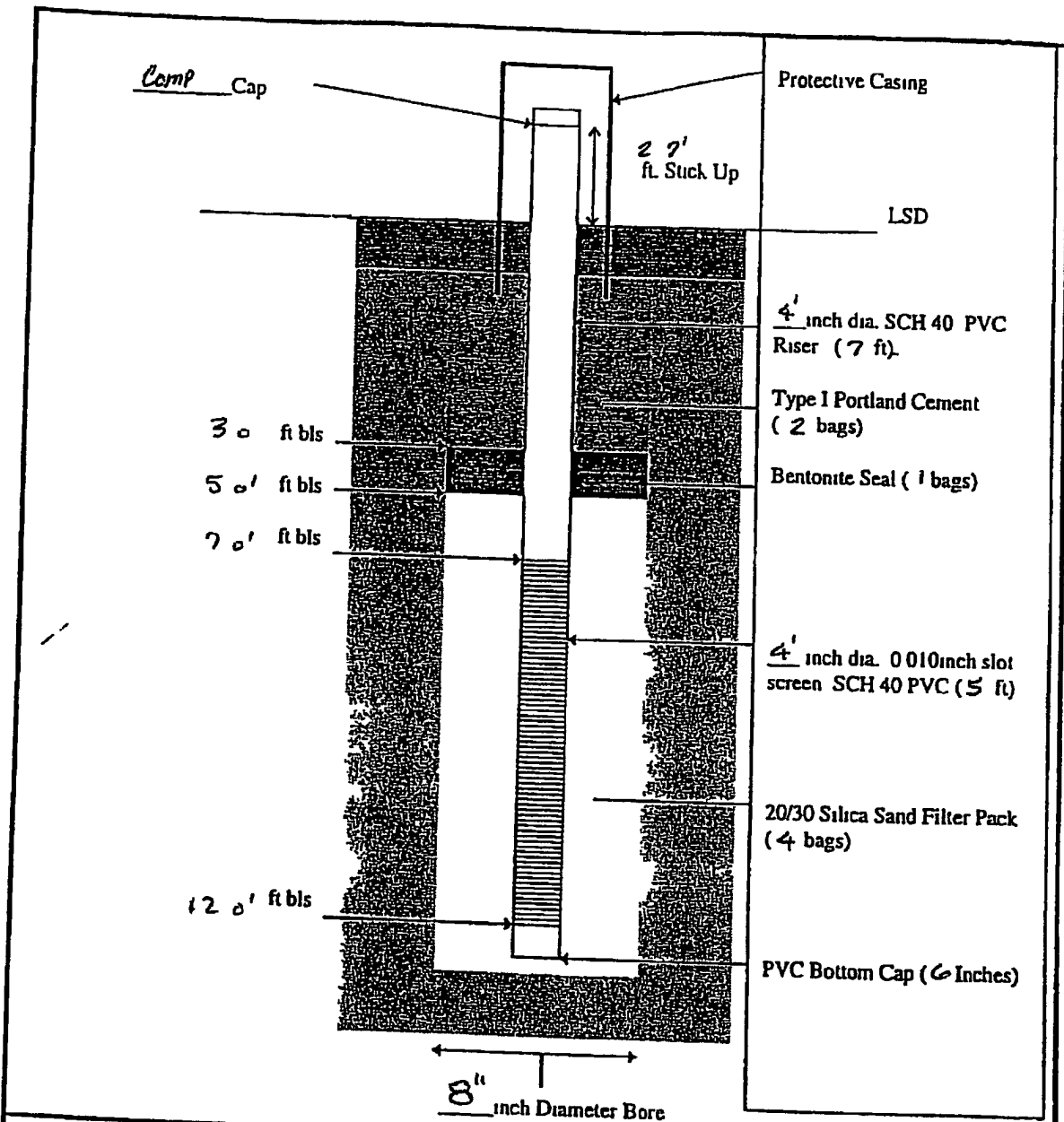
History of Equipment 01/15/2009 Installed a CR1000 data logger RF500M modem Maxon radio SE 105S encoders typical tape weight and float arrangement recording hourly data through the radio and modem using radio telemetry network

Manual WL Requirement

Electric Tape
Steel Tape & Chalk

Ground water

Aquifer code SF
M P elevation 500.03 (assumed until surveyed)
M P location TOF
Depth of well 12.5 feet bls
Depth of casing 15.2 feet TOC to bottom



Project. CRESCENT LAKE CONSERVATION
AREA

Project No 5111-04001

Well Completed 4 7 08

SJRWMD

Well Number V-0922

Not To Scale

PERMIT # V7922 CURP # _____ DID # _____

Indicate remaining wells to be cancelled _____

SIGNATURE Robert W. King License # 2829

I certify that the information provided in this report is accurate and true.

WELL LOCATION Site Address Crescent Lake (County) Valusia

Latitude 292054 Longitude 812712

DATE STAMP

Sketch of well location on property

**Official Use Only**

Iron. _____ ppm Sulfate _____ ppm

Chloride _____ ppm

☐ Lab Test ☐ Field Test Kit

Pump Type

☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine

Horsepower _____ Capacity _____ G.P.M. _____

Pump Depth _____ Fl. Intake Depth _____ Fl.

COMPLETION DATE 4-7-08 Florida Unique ID _____

HRS Limited 62-524 Other _____

☐ Jet ☐ Auger Other _____

After _____ Hours at _____ G.P.M. Measuring Pt. (Describe) _____

Casing ☐ Black Steel ☐ Galv ☒ PVC Other _____

☒ Screen	☐ Super (FL)	DRILL CUTTINGS LOG	Examine
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& Depth (Ft.)	From	To	Color	Grain Size	Type of Material
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From <u>00</u>	<u>320</u>	<u>Eneto Medium</u>
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School			Source
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Diameter	4			
From	70			

[illegible][illegible]

Liner [] or			

Casing	()			
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[illegible]

From _____			
To _____			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Driller's Name. Edna Bell

(print or type) Eddu Palmer