

**SJRWMD
HDS
2009 Station Analysis
V-1142 Crescent Lake Conservation Area Wells**

Station ID: 30292827, 6-inch diameter, 380 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	500.04
09/29/2009 SJR NGS/DEP Survey	21.21 black mark

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:

10:00:00_02/02/2009	Data back to 12:00_01/15/2009 drifted from +0.16 to 0.00.
11:28:00_02/17/2009	Manual measurement from WQ contractor QA form before WQ. No adjustment back to 11:00_02/02/2009.
13:59:59_02/17/2009	Station disabled for WQ.
12:00:00_03/17/2009	No adjustment required back to 14:00_02/17/2009.
09:41:00_05/13/2009	Manual measurement from WQ contractor QA form before WQ. No adjustment back to 13:00_03/17/2009.
11:59:59_05/13/2009	Station disabled for WQ.
11:00:00_06/12/2009	Data back to 10:00_05/13/2009 drifted by -0.04.
15:00:00_07/31/2009	No adjustment required back to 12:00_06/12/2009.
10:53:00_08/04/2009	Manual measurement from QA form. Site destroyed by lightening.
15:45:00_08/05/2009	Manual measurement from QA form. Began rebuilding site.
07:00:00_08/07/2009	No adjustment required back to 16:00_08/05/2009.
09:51:00_08/11/2009	Manual measurement from QA form. Replaced bad Hydrolynx encoder.
12:00:00_08/12/2009	No adjustment required 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 14:00_08/12/2009. Data back to 12/05/2008 offset -478.83 per SJR NGS/DEP Survey 09/29/09. New NGVD 1929 MP=21.21.
10:00:00_12/16/2009	Data back to 09:00_09/23/2009 offset -479.83 per SJR Survey.
10:00:00_02/10/2010	Data back to 11:00_12/13/2009 drifted +0.07 to match manual measurement from WQ contractors form.

2009 Quality Summary

Quality	Subtotal	%	Reliable Data	Unreliable Data
1	0.00 Second	0.00	350.50 Days 96.03%	14.50 Days 3.97%
2	345.24 Days	94.59		
150	5.26 Days	1.44		
Gap	14.50 Days	3.97		

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2009 Station Analysis
V-1142 Crescent Lake Conservation Area Wells**

Historical Quality Summary

Quality	Subtotal	%	Reliable Data	Unreliable Data
1	23.04 Days	5.57	1.13 Years 100.00%	0.00 Second 0.00%
2	1.06 Years	93.14		
150	5.35 Days	1.29		
Totals	1.13 Years	100.00		

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

**Crescent Lake Conservation Area Wells
(V-1142)**

Updated on: 10/30/2009 by Ty Heidelberg

Description prepared by: Ty Heidelberg

Station established on: Drilled 08/11/08

Description of station: 6 inch PVC Non-flowing monitoring well.

Hydron number: 30292827

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: FA

M.P. elevation: 500.04 (assumed until surveyed)

M.P. location: TOF

Depth of well: 380 ft. bls

Depth of casing: 332.79 ft. TOC to bottom of PVC

ST JOHNS RIVER WATER MANAGEMENT DISTRICT
HYDROLOGIC DATA SERVICES
STATION DESCRIPTION

**Crescent Lake Conservation Area Wells
V 1142**

Updated on 01/21/2009 by Ty Heidelberg

Description prepared by Ty Heidelberg

Station established on Drilled 08/11/08

Description of station 6 inch PVC ground water monitoring well

Hydron number 30292827

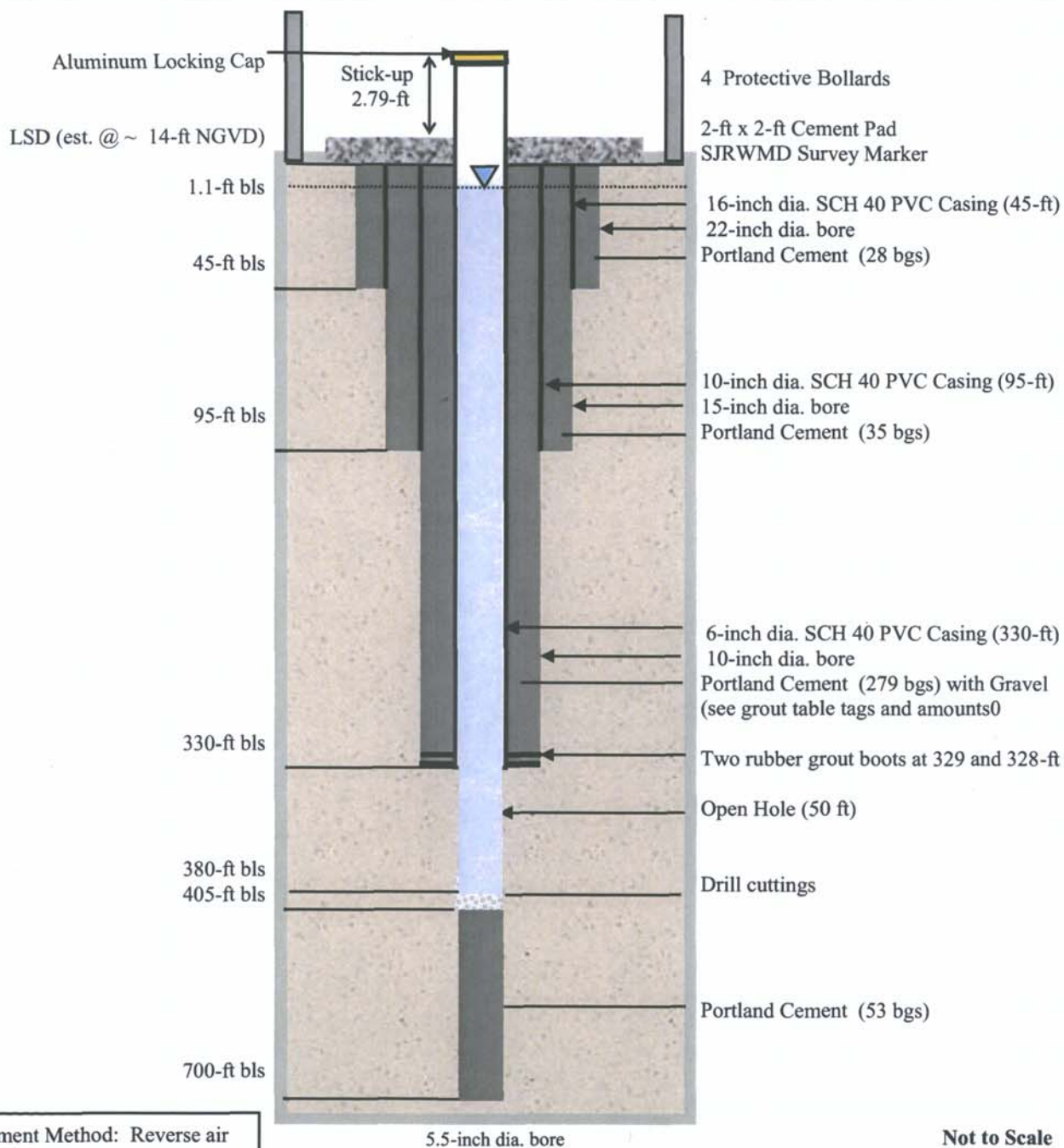
History of Equipment 01/15/2009 Installed a CR1000 data logger RF500M modem Maxon radio SE 105S encoders typical tape weight and float arrangement recording hourly data through the radio and modem using radio telemetry network

Manual WL Requirement

Electric Tape
Steel Tape & Chalk

Ground water

Aquifer code FA
M P elevation 500 04 (assumed until surveyed)
M P location TOF
Depth of well 380 ft bls
Depth of casing 332 79 ft TOC to bottom of PVC



Site: Crescent Lake Conservation Area

Driller: SJRWMD

Well Completed: August 11, 2008

SJRWMD

Floridan Monitor Well V-1142