

Notes from Purging SFWMD Monitoring Wells at L31NN and L31NS - 14 February 2011

Location	Station	Date	Time	DTW	DTB	Flow Probe Hang Dist	PT Hang Dist	Time Back In
L31NN	GW4	14-Feb-12	1011	9.88	20.28	17.88		1058
L31NN	GW3	14-Feb-12	1103	9.58	35.04	33.08	21.40	1134
L31NN	GW2	14-Feb-12	1134	9.58	56.06	52.98	20.00	1158
L31NN	GW1	14-Feb-12	1211	9.57	105.08	102.54	19.93	1257
L31NS	GW1	14-Feb-12	1403	9.29	102.17	99.40	19.16	1440
L31NS	GW2	14-Feb-12	1425	9.44	46.14	43.91	19.42	1510
L31NS	GW3	14-Feb-12	1515	9.19	30.07	28.35	19.15	1558
L31NS	GW4	14-Feb-12	1605	9.30	20.66	14.88	14.85	1625

DTW=Depth to Water (ft)

DTB=Depth to Bottom (ft)

Flow Probe Hang Distance measured from hanger pin hole to bottom of probe fuzzy packer (ft)

Pump Duration (minutes)	Observations	Final Readings After R	
		Date	Time
30	Gray-white some coarse sediment total volume <1 cc	14-Feb-12	1335
7	About 1 cup sand sized sediment sample taken	14-Feb-12	1332
6	Turbid but not much sediment, trace of oil apparent in well	14-Feb-12	1328
8	Gray milky white turbidity but little sand grain sediment	14-Feb-12	1322
6	Gray White Some coarse Sediment, total volume < 1cc	14-Feb-12	1637
5	Milky, small amount of sand ~ 5 cc	14-Feb-12	1635
8	Very clear, no sediment at all	14-Feb-12	1638
5	Clear no sediment, slight coloration, some organic material	14-Feb-12	1639

Replacing Transducer
DTW

9.95

9.64

9.58

9.53

9.19

9.36

9.20

9.25

Purpose is to purge sediment accumulation in the wellscreen portion of the wells. This was last done in August 200

Procedure

1. Removed vault cover, measured distance to water surface (DTW) using electric sounding tape.
2. Removed pressure transducer from well.
3. Removed suspension rods and groundwater flowmeter from well.
4. Installed 1 inch TFJ pvc pipe into well until it touched the bottom. The pipe was available in 5 ft and 10 ft sections.
5. Connected the pipe to a 2 inch centrifugal gasoline powered pump.
6. Primed pump chamber, started the motor. There was no trouble establishing suction.
7. Pumped until clear of sediment 8-20 minutes. During the pumping period the 1 inch pipe was moved up and down.
8. Pump discharge was directed into a 5 gallon bucket during the initial purge to observe sediment.
9. The length of flowmeter suspension rod and pressure transducer cable was measured from probe bottom to probe top.
10. Flowmeter and pressure transducer were returned to the well.
11. Depth to water was measured prior to departing from the station.

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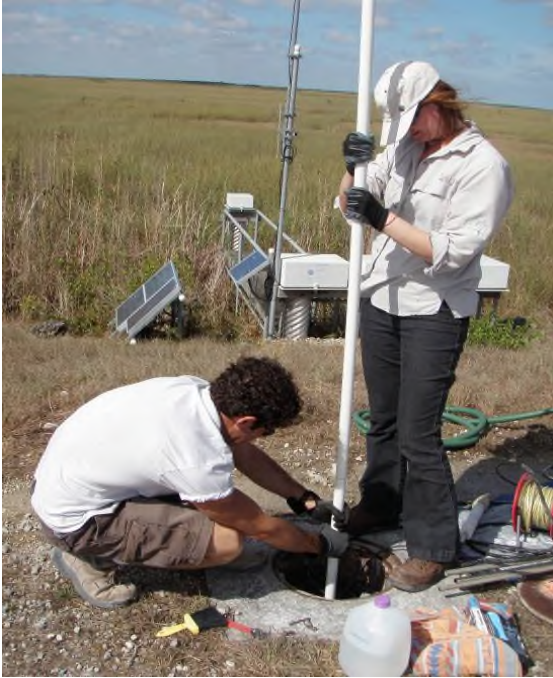
Arrived L31NN at 0945
Departed L31N at 1640 on 14 Feb 2011

19.

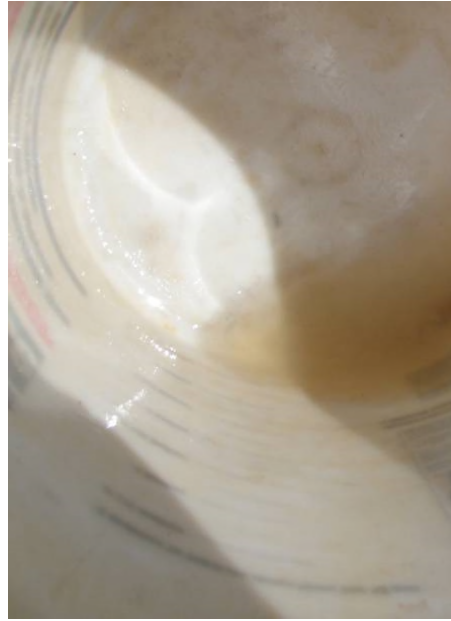
s and included a right angle elbow with cam connector.

vn within the 2 ft screened interval.

int of suspension in well.



Assembling the 1 inch PVC pipe



L31NNGW



L31NNGW3



L31NNGW3





L31NNGW2



4



L31NNGW3



L31NNGW2





L31NNGW1



L31NNGW1



L31NGW1 After Removing Flowmeter from Well



L31NSGW



L31NSGW:

L31NSGW3

L31NSGW4





L31NGW1 Installing pipe is a two person job. It is important to not drop the 1" pipe into the 2" well, as retrieval would be difficult.



1



L31NSGW1



2



L31NSGW2

No photo, very clear no sediment at all.

No photo, very clear no sediment, water is colored with some organic material

