"Rite in the Rain"®

ALL-WEATHER

JOURNAL

No. 391

Quarterly Sampling - TR

3/12/08

0700 arrive to site, calibrate YSIs and have safety meeting

1015 arrive B/W-25S, collect sample @ 1145

1230 arrive B/W-25S, collect sample @ 1310

1400 arrive B/W-9S, collect sample and duplicate @ 1500

1650 arrive B/W-10S, collect sample @ 1735
samples collected had max 14L purged

1830 arrive @ lab to do drift check + unload

1930 offsite

TMR

3/13/08
windy, overcast

0630 arrive on-site to calibrate YSIs
-changed DO sensor on 05D2373

0830 mob to MW2002-2
0840 install bladder pump to 52.6'
0850 start pumping to sample
1005 collect sample MW-2002-2
1050 mobe/ arrive at B/W-11S
1115 start pumping to sample
1215 collect sample B/W-11S
1255 mobe to lab to drop off samples
1310 mobe to B/W-5S
1325 arrive B/W-5 cluster
1435 collect sample B/W-5S
1505 mobe to B/W-3S
1510 arrive B/W-3 cluster
1630 collect sample B/W-3S
1710 mobe up to lab
1725 arrive at lab, drift check YSIs
1830 leave site

Used YSI 05D2373 AV

3/14/08
clear, warm

0630 on-site, calibrate YSIs
0800 mobe to B/W-15
0830 start pumping
0925 collect sample
1000 mobe to B/W-20
1005 arrive B/W-20; B/W-14 has a fork lift parked in front of it
1020 start pump
1120 collect sample B/W-20
1150 mobe back to lab for YSI drift check + unloading
1200 arrive @ lab

3-19-08

Weather: Cool, mostly clear, possible showers in the afternoon.

Field Team: Briana Wright

0700 Arrive at lab, start of day

0810 Arrive at W5AA-3 and begin setting up.

0845 Start Pump.

Appears that there is not enough water in well to make pump work efficiently. According to QED the TD is 22.5' btoc, Pump at 21.2' btoc, and water level today is 19.8' btoc. After consulting w/ Tara + Penny, I increased (max) the refill time + increased the PSI. This did not help. QED states that the pump should have at least 2 ft of water above it. In this case, there is 1.3' of water; perhaps not enough for pump to work efficiently. We may need to sample this well via GeoSQuirt method.

0915 Begin Breaking down / Pump OFF.

3-19-08

0925 Mob to D5AC-1

0945 Pump On

1150 Pump OFF, samples have been collected for D5AC-1

1210 G.W. ≈ 25.8' btoc. Leave for lab to drop off samples.

1250 Arrive at W5AB-3

1340 Pump On

1400 Begin ~~sampling~~ logging parameters

1505 Begin sampling

1540 Stop sampling, begin to break down.

1600 Arrive at W5AB-2

1615 Pump On,

1620 Begin logging parameters

1725 Begin sampling

1755 Pump off

* Note: The following wells had filtered samples ~~that~~ where the water flowed through the flow through cells:

D5AC-1

W5AB-3

3/20/08

0600 on site, calibrate YSIs, safety meeting
0810 arrive MW-5
0940 sample MW-5

1230 sample USGS-13

1440 sample WSBB

1500 assist Corey w/ sampling

3/26/08

0900 TR onsite, sign in
0920 arrive @ lab, modify well cap, start building stop
1020 arrive AM-3 to assist Guy with TEOM maintance
1040 finish @ AM-3
1100 install cap in B/W-11D1
1120 tag pump in B/W-11D3 = 68.05
SWL = 37.88'
B/W-11S SWL = 38.80'
top of pump depth = 48.90' bmp

1150 MW-2002-2I top of pump = 131.70' bmp
SWL = 46.19' bmp
3-stage decon system used on WL meter for each location
MW2002-2 SWL = 45.15' bmp
top of pump = 52.00' bmp

1215 B/W-22 SWL = 154.91' bmp
top of pump = 186.80' bmp

1225 B/W-6D SWL = 102.89' bmp
B/W-6S SWL = 103.89
top of pump = 114.70' bmp

1245 B/W-16 SWL = 191.52' bmp
top of pump = 204' bmp

1252 B/W-7 SWL = 151.55

1304 B/W-5I SWL = 29.89' bmp
top of pump = 87.59' bmp

B/W-5S SWL = 29.89'
top of pump = 41.32'

1308 B/W-5D SWL = 29.85
top of pump = 124.56'

1320 B/W-19S SWL = 96.30'
top of pump = 103.48

1325 B/W-19I SWL = 96.15'
top of pump = 149.64' bmp

drilling B/W-19D so SWLs may be off static

1340 lunch
1440 B/W-8D SWL = 140.57'

B/W-8S 140.99' SWL
top of pump = 153.45' bmp

1530 B/W-10S SWL = 21.70
top of pump = 35.30' bmp

1 B/W-10D SWL = 21.48

1550 B/W-28S SWL = 47.46'
top of pump = 54.55'

1553 B/W-28I SWL = 47.80'
top of pump = 104.59'

1557 B/W-28D SWL = 46.71
top of pump = 159.60

1617 B/W-4S SWL = 56.24'
top of pump = 74.15

1628 B/W-4D SWL = 55.55

1633 B/W-4I SWL = 55.90
top of pump = 114.31

1642 B/W-3S SWL = 22.78
~~top~~ of pump = 31.03' bmp

1650 B/W-3I SWL = 23.22' bmp
top of pump = 92.40'

1651 B/W-3D SWL = 23.77

1715 MW-2002-1 SWL 15.81
~~top of p~~ ~~15.91~~ TR

1718 B/W-2D SWL = 19.32

1720 B/W-2I SWL 17.87
top of pump = 78.50'

TMR

3/27/08
TR + BW on-site, cool, breezy

0930 B/W-29D SWL = 78.61
top of pump = 108.45' bmp

0939 B/W-29I2 SWL = 77.60
top of pump = 189.48' bmp

0943 B/W-29S SWL = 76.12
top of pump = 104.56' bmp

0955 B/W-29I1 SWL = 76.12
top of pump = 126.89' bmp

1018 B/W-18S top of pump = 39.52' bmp

1029 B/W-18D top of pump = 164.50' bmp

1040 B/W-18I top of pump = 134.7' bmp
- pump is on bottom of well, WL got stuck on tubing + cap will not settle onto PVC
- cut 10' of tubing off top + reinstalled cap/pump.
- top of pump = 125.15' bmp

1130 TR off to do air ~~B~~EOM maintanance
replaced pump in AM-3
replaced fuses in AM-6

1400 lunch
1500 go to lab to make device for tagging pumps in wells > 2"

1530 arrive B/W-20 to try device, too big will make new one; stop by True value
1610 B/W-27D top of pump 51.50' bmp

1615 B/W-27S top of pump 29.00 bmp

1632 B/W-25I top of pump = 111.29' bmp

1638 B/W-25S top of pump = 38.09

1700 B/W-9I top of pump = 79.19

1710 B/W-9S top of pump = 28.75

1720 B/W-1I2 top of pump = 134.61' bmp

1726 B/W-1S top of pump = 31.99' bmp

con't

1815 B/W-23 top of pump = 260.50' bmp

1836 B/W-21 top of pump = 73.50' bmp

1900 off site

TR

3/28/08

0700 TR, BW on site, cool, overcast
build new well tagger; tagger has -3' from actual measurement

0800 PA-MW-1 top of pump = 104.70' bmp

0813 PA-MW-3 top of pump = 123.50' bmp

0823 PA-MW-2 top of pump = 149.80

no modifications made to UW-1 or MW-2 pumps

0907 MW-4 top of pump = 96.5' bmp - 3' = 93.5'

0920 no pump in WSAA-3

0927 DSAC-1 top of pump = 28.89' bmp

0940 WSAA-1 top of pump = 66.0' bmp

0950 DSBC-1 = 32.5' bmp

1155 WSAB-2 top of pump = ~~[illegible]~~ 24.00 bmp

WSAB-3 top of pump = 53.5 bmp

1221 USGS-13 top of pump = 16.85'

WSBB+ WSDB pumps are not completely installed : did not tag