



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
GROUND WATER SAMPLING FIELD LOG SHEET

Watershed Monitoring Section

January 2013

SAMPLING AGENCY:	FLUWID: AAN3417	OWNER:
STATUS RANDOM ID:	STATION NAME: MSFMW 12	PROJECT: MSFNS
LAND SURFACE ELEV.(LSE): 92.6	CASING MATERIAL: PVC	TOTAL DEPTH: 80
MEASURING POINT ELEV.(MPE): 92.2	CASING DIAMETER: 4"	

All Times Are: ETZ or CTZ Date/Time On Site: 13:28 8-27-13 Date/Time Off Site: 14:30 8-27-13
(circle one)

Field Sheet Completed By: JB WQ Samples Collected By: ME

POTENTIOMETRIC METHOD

(Stickup is MPE - LSE)

Total Depth - (Depth to Water - Stickup) = Water Column Height	(*DTW = N/A if not measurable)	Second Reading
<u>80</u> - (<u>59.18</u> + <u>0.4</u>) = <u>20.42</u> ft		<u>20.42</u> ft
DTW - SU = <u>59.58</u>	(WCH)	(WCH)

TAPE / CHALK METHOD

Total Depth - ((Held at - Wetted At) - SU) = Water Column Height
1. _____ - ((_____ - _____) - _____) = _____
2. _____ - ((_____ - _____) - _____) = _____
DTW - SU = _____

PURGE METHOD (Check one):

- ____ 1) 1.5 well volumes and stability ____ 2) In-place plumbing purge and stability (continuous and intermittently running wells)
____ 3) More than 1.5 well volumes and stability ____ 4) Fully dry purge (not recommended)
____ 5) Purged 5 or more well volumes without stability (explain in comments) ____ 6) Other (explain in comments)

MINIMUM PURGE VOLUME DETERMINATION

.041 X Diameter X Diameter X Water Column Height X # Well Purge Volumes = Min. Purge Volume (gal.)

.041 X _____ X _____ X _____ X 1.5 = _____

Water Column Height (WCH) X Well Capacity X # Well Purge Volumes = Min. Purge Volume (gal.)

20.42 X 0.65 X 1.5 = 19.90 (gal.)

1 Well Purge Volume: 13.27 (gal.) 1/4 Well Purge Volume: 3.31 (gal.)

Volume of tank (if required to purge): _____ (gal.)

Well Capacity (Gallons per ft): .75" = .02, 1" = .04, 1.25" = .06, 2" = .16, 3" = .37, 4" = .65, 5" = 1.02, 6" = 1.47, 8" = 2.62, 10" = 4.10, 12" = 5.88

Purge Equipment Used: Redi-flo 2 #1 Sample Equipment Used: Redi-flo 2 #1
Please include type of pump (peristaltic, submersible, etc.) AND pump ID# (ex. Redi-flo #1, Grundfos #2, etc.)

Minimum Purge Time: (Min. Purge Volume/Purge Rate) 19.9 (min.)

Time Purge Begin: 13:41 (24hr) Time Purge Stop: 14:01 (24hr) Purge Rate: 1 (gal/min)

Total Purge Time: 20 (min.) Total Purge Volume: 20 (gal.)
(Purge rate X Total purge Time)

Time Sampling Begin: 14:02 (24 hr) Time Sampling Stop: 14:08 (24 hr)

AAN3417 PLACE FLUWID LABEL HERE (if applicable)	MSFMW #12 PLACE SITE LABEL HERE	FLD-Blank #2 PLACE QA/QC LABEL HERE (if applicable) <u>14:20</u>
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QA/QC Sample: N/A Field Blank Equipment Blank
 (Circle One) (Field-cleaned) (Lab-cleaned)
 Time (24hr): 14:20
 Equipment Used: none Collected by: ME

Well Condition: normal Fuel-Powered Equipment Used? Yes No
 (Circle One) (Circle One)

Placement Depth of Tubing or Pump Intake: 65'

Drawdown Monitored? (Circle One) No (N/A) Yes, no drawdown Yes, drawdown noticed and corrected for
 This is verified by recording depth to water in the Chemical Stability Monitoring section.

Sulfur Odor?: (Circle One) Yes No Color: none

Personnel/Visitors On Site: Mike Eckles / Paul Blair

Weather Conditions: P. cloudy

PRESERVATION INFORMATION ☐ N/A (No samples collected; non-quarterly Trend month, etc.)

Were all appropriate samples (including QA/QC blanks) preserved within 15 minutes including the following: wet ice (<6°C); nutrient samples with 1 mL sulfuric acid; metal samples with 1 mL nitric acid; or ortho-phosphate sample filtered with a .45µm filter; and anion, metal and nutrient samples filtered with a .45µm filter (for Oct. TREND network only) Yes No

Were all acidified samples verified that the pH was less than 2 SU? Yes No Preserved By: PB

Preservative Lot #: Sulfuric 126165 Nitric 1113020
 (Please describe any variations to this preservation protocol in the comments section below.)

COMMENTS: (Include any variations from normal preservation protocols; ex. adding more than 1 ml acid, unable to monitor depth to water because..., etc.)

CHEMICAL STABILITY MONITORING

Meter ID# 451 600xLM #11 Read By: ME

	Time (24hr.)	Volume Purged (gallons)	Purge Rate (gal/min)	Depth to Water (feet)***	Temp. (°C)	Cond. (µmhos/cm)	DO (%)	DO (mg/L)	pH (SU)	Turbidity (NTU)	Comments
1	13:55	14	1		23.8	988	19.6	1.65	6.4	1.23	
2	13:59	18	1		23.8	989	19.2	1.60	6.4	1.07	
3	14:01	20	1		23.8	997	17.9	1.50	6.4	1.01	
4											
5											
6											
7											
8											
9											
10											

Stability Criteria: Temp. ± 0.2°C Specific Conductance ± 5.0% of reading DO ≤ 20% pH ± 0.2 SU Turbidity ≤ 20 NTUs
 If DO > 20% or Turbidity > 20 NTUs then: DO ± 0.2 mg/L or 10%, whichever is greater and Turbidity ± 5 NTUs or 10%, whichever is greater

*** Depth to Water needs to be documented if well diameter allows room for both tubing/pump and potentiometer. Not applicable to wells with in-place plumbing. If not applicable, please write "N/A" for this column.

Sampler Names: Paul Blair Mike Eckles

(Please PRINT)

Sampler Signatures: Paul Blair Mike Eckles

OFFICE USE ONLY

Reviewed for completion by:

Date: