



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
GROUND WATER SAMPLING FIELD LOG SHEET

Watershed Monitoring Section

January 2013

|                                         |                              |                        |
|-----------------------------------------|------------------------------|------------------------|
| SAMPLING AGENCY: <u>FDEP/8034</u>       | FLUWID: <u>ANN3419</u>       | OWNER:                 |
| STATUS RANDOM ID:                       | STATION NAME: <u>MSFMW14</u> | PROJECT: <u>MSFNS</u>  |
| LAND SURFACE ELEV.(LSE): <u>88.4</u>    | CASING MATERIAL: <u>PVC</u>  | TOTAL DEPTH: <u>60</u> |
| MEASURING POINT ELEV.(MPE): <u>91.2</u> | CASING DIAMETER: <u>4"</u>   |                        |

All Times Are: ETZ or CTZ (circle one) Date/Time On Site: 13:15 8-21-13 Date/Time Off Site: 14:05 8-21-13

Field Sheet Completed By: PB 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>60</u> - ( <u>53.45</u> - <u>2.8</u> ) = <u>9.35</u> ft                                    | <u>9.35</u> ft |
| DTW - SU = <u>50.65</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.)

9.35 X 0.65 X 1.5 = 9.11 (gal.)

1 Well Purge Volume: 6.077 (gal.)

1/4 Well Purge Volume: 1.51 (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: 2" Redi-Flo #1 Sample Equipment Used: 2" Redi-flo #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) 9.11 (min.)

Time Purge Begin: 13:30 (24hr)

Time Purge Stop: 13:40 (24hr) Purge Rate: 1 (gal/min)

Total Purge Time: 10 (min.)

Total Purge Volume: 10 (gal.)  
(Purge rate X Total purge Time)

Time Sampling Begin: 13:41 (24 hr)

Time Sampling Stop: 13:48 (24 hr)

ANN3419  
PLACE  
FLUWID LABEL HERE  
(if applicable)

MSFMW14  
PLACE  
SITE LABEL HERE

PLACE QA/QC LABEL HERE  
(if applicable)

QA/QC Sample: (Circle One) N/A Field Blank Equipment Blank  
(Circle One) (Field-cleaned) (Lab-cleaned)  
Time (24hr): \_\_\_\_\_  
Equipment Used: \_\_\_\_\_ Collected by: \_\_\_\_\_

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

Placement Depth of Tubing or Pump Intake: 57'

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; 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#       | YSL 600XLN #11 | Read By: | PB |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|----------------------|--------------------------|------------|------------------|--------|-----------|---------|-----------------|----------------|----------|----|
|                                                                                                                                         | 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                                                                                                                                       | 13:37        | 7                       | 1                    | 55.75                    | 24.0       | 566              | 72.3   | 6.09      | 6.9     | 29.9            |                |          |    |
| 2                                                                                                                                       | 13:39        | 9                       | 1                    | " "                      | 23.9       | 562              | 72.4   | 6.10      | 6.9     | 34.5            |                |          |    |
| 3                                                                                                                                       | 13:40        | 16                      | 1                    | " "                      | 23.9       | 562              | 72.4   | 6.10      | 6.9     | 34.0            |                |          |    |
| 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 (Please PRINT)

Sampler Signatures: Paul Blair

Mike Eckles

**OFFICE USE ONLY**  
Reviewed for completion by: \_\_\_\_\_ Date: \_\_\_\_\_