



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
GROUND WATER SAMPLING FIELD LOG SHEET

Watershed Monitoring Section

January 2013

|                                       |                              |                                        |
|---------------------------------------|------------------------------|----------------------------------------|
| SAMPLING AGENCY: <u>FDEP/GWM</u>      | FLUWID: <u>AAN3420</u>       | OWNER:                                 |
| STATUS RANDOM ID: <u>MSFMW18</u>      | STATION NAME: <u>MSFMW18</u> | PROJECT: <u>Santa Fe Nutrient Sta.</u> |
| LAND SURFACE ELEV.(LSE): <u>NA</u>    | CASING MATERIAL: <u>PVC</u>  | TOTAL DEPTH: <u>70.03</u>              |
| MEASURING POINT ELEV.(MPE): <u>NA</u> | CASING DIAMETER: <u>4"</u>   |                                        |

All Times Are ETZ or CTZ (circle one) Date/Time On Site: 5-7-13/14:17 Date/Time Off Site: 5-7-13/15:29  
Field Sheet Completed By: Green WQ Samples Collected By: Wade

POTENTIOMETRIC METHOD

(Stickup is MPE - LSE)

|                                                                |                                |                 |
|----------------------------------------------------------------|--------------------------------|-----------------|
| Total Depth - (Depth to Water - Stickup) = Water Column Height | (*DTW = N/A if not measurable) | Second Reading  |
| <u>70.03</u> - ( <u>55.42</u> - <u>NA</u> ) = <u>14.61</u> ft  |                                | <u>14.61</u> ft |
| DTW - SU = _____                                               | (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.)

14.61 X .65 X 1.5 = 14.24 (gal.)

1 Well Purge Volume: \_\_\_\_\_ (gal.)

1/4 Well Purge Volume: \_\_\_\_\_ (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: submersible Sample Equipment Used: Redi-flo #4  
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) 14.24 (min.)

Time Purge Begin: 14:45 (24hr)

Time Purge Stop: 15:00 (24hr)

Purge Rate: 1 (gal/min)

Total Purge Time: 15 (min.)

Total Purge Volume: 15 (gal.)

(Purge rate X Total purge Time)

Time Sampling Begin: 15:01 (24 hr)

Time Sampling Stop: 15:06 (24 hr)

PLACE  
FLUWID LABEL HERE  
(if applicable)

PLACE  
SITE LABEL HERE

PLACE QA/QC LABEL HERE  
(if applicable)

QA/QC Sample: N/A (Circle One) 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: 60'

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: NO

Personnel/Visitors On Site: Green/Wade

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: Wade

Preservative Lot #: Sulfuric SA-2363040 Nitric NA-2363050  
(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# <u>12 YSI 600 XLM</u> |          | Read By: <u>Green</u> |  |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|----------------------|--------------------------|-------------|------------------|-------------|-------------|------------|---------------------------------|----------|-----------------------|--|
|                                                                                                                                         | 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                                                                                                                                       | <u>14:55</u> | <u>10</u>               | <u>1</u>             | <u>56.24</u>             | <u>23.3</u> | <u>918</u>       | <u>50.8</u> | <u>4.32</u> | <u>6.9</u> | <u>0.91</u>                     |          |                       |  |
| 2                                                                                                                                       | <u>14:58</u> | <u>13</u>               | <u>1</u>             | <u>56.24</u>             | <u>23.2</u> | <u>920</u>       | <u>51.3</u> | <u>4.38</u> | <u>6.9</u> | <u>1.03</u>                     |          |                       |  |
| 3                                                                                                                                       | <u>15:00</u> | <u>15</u>               | <u>1</u>             | <u>56.24</u>             | <u>23.2</u> | <u>926</u>       | <u>52.1</u> | <u>4.45</u> | <u>6.9</u> | <u>0.87</u>                     |          |                       |  |
| 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: Chris Green  
(Please PRINT)

Sampler Signatures: Chris Green

Edgar Wade  
Edgar Wade

**OFFICE USE ONLY**

Reviewed for completion by:

Date: