



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
GROUND WATER SAMPLING FIELD LOG SHEET

Watershed Monitoring Section

January 2013

SAMPLING AGENCY: <u>FDEP/8034</u>	FLUWID: <u>AAN3418</u>	OWNER:
STATUS RANDOM ID:	STATION NAME: <u>MSFMW16</u>	PROJECT: <u>MSFNS</u>
LAND SURFACE ELEV.(LSE): <u>90.1</u>	CASING MATERIAL: <u>PVC</u>	TOTAL DEPTH: <u>70'</u>
MEASURING POINT ELEV.(MPE): <u>93.3</u>	CASING DIAMETER: <u>4"</u>	

All Times Are: ☒ ETZ or CTZ Date/Time On Site: 15:05 8-21-13 Date/Time Off Site: 16:05 8-21-13
(circle one)

Field Sheet Completed By: [Signature]

WQ Samples Collected By: [Signature]

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</u> - (<u>51.64</u> - <u>3.2</u>) = <u>21.56</u> ft		<u>21.56</u> ft
DTW - SU = <u>48.44</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.)

21.56 X 0.65 X 1.5 = 21.01 (gal.)

1 Well Purge Volume: 14.9 (gal.)

1/4 Well Purge Volume: 3.50 (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 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) 21.01 (min.)

Time Purge Begin: 15:22 (24hr)

Time Purge Stop: 15:44 (24hr) Purge Rate: 1 (gal/min)

Total Purge Time: 22 (min.)

Total Purge Volume: 22 (gal.)
(Purge rate X Total purge Time)

Time Sampling Begin: 15:45 (24 hr)

Time Sampling Stop: 15:51 (24 hr)

AAN3418
PLACE
FLUWID LABEL HERE
(if applicable)

MSFMW16
PLACE
SITE LABEL HERE

PLACE QA/QC LABEL HERE
(if applicable)

QA/QC Sample:
(Circle One)

N/A

Field Blank

Equipment Blank

(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:

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 #s:

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#

YSI 600 XLM #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	15:37	15	1	51.64	23.6	301	46.2	3.90	7.4	0.49	
2	15:40	18	1	" "	23.7	301	46.0	3.90	7.4	1.02	
3	15:44	22	1	" "	23.7	301	46.0	3.90	7.4	0.90	
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)

Mike Eckles

Sampler Signatures:

Paul Blair

Mike Eckles

OFFICE USE ONLY

Reviewed for completion by:

Date: