

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SPRINGS SAMPLING FIELD SHEET

Extended
8-10-09
HW

RA-2009-04-06-38

Location Information

STATION ID: 9716 DATE: 05-13-2009 TIME (EST): 13:16 (24 hr)
(MM/DD/YYYY) (Final field measurements; start of sampling)
SPRING NAME: Weeki Wachee VENT ID: _____
WEATHER CONDITIONS (Circle One) Clear Partly Cloudy Cloudy Rain

Water Quality Measurements

Secchi Depth: _____ (meters) Secchi Visible on Bottom Yes No (Circle One)
Stage (if available): _____ (Feet)
Estimated depth in vent from which laboratory samples were collected: _____ (meters)
Analytes collected for this site are as listed per the container inventory, including QA/QC samples Yes No
Field Measurements (if field measurement result has to be qualified, enter F next to the value below):

Estimated Depth (meters)	Meter Id	Measurement #	pH (s.u.)	D.O. (mg/L)	Temperature (°C)	Conductivity (uS/cm)
	<u>QD02228</u> <u>QD02027</u>	<u>15</u>	<u>7.5</u>	<u>2.50</u>	<u>24.1</u>	<u>343</u>

Sample Preservation

Was a new 0.45-micron capsule filter used to collect the final metals and nutrients/anions samples? Yes No (Circle One)
Were all appropriate samples preserved within 15 minutes? Yes No
Were total nutrient samples preserved with sulfuric acid? Yes No Total volume added 1 (mL) Final pH 5.4 (s.u.)
Were filtered nutrient samples preserved with sulfuric acid? Yes No Total volume added _____ (mL) Final pH _____ (s.u.)
Were total metal samples preserved with nitric acid? Yes No Total volume added 1 (mL) Final pH 4.2 (s.u.)
Were filtered metal samples preserved with nitric acid? Yes No Total volume added _____ (mL) Final pH _____ (s.u.)
(If additional bottles for the nutrient or metal samples were preserved, note volume of acid added and final pH for each one in the Comments)
Were all appropriate samples, in accordance with the container inventory, put on wet ice at 4°C? Yes No

COMMENTS:

- Divers
- pre-set tubing used, so
- not able to see why air bubbles
- were in tubing

Sulfuric Acid
SA903501
EXP 2/04/10

Nitric Acid
NA903502
EXP 2/14/10



SPR0304

MAY 13 2009

QA/QC TAKEN? Yes

TIME COLLECTED 12:40

(Circle One)

EQUIPMENT BLANK

FIELD BLANK

Blanks collected in accordance with
Springs Initiative Monitoring SOP



MAY 13 2009

WEEKI WACHEE MAIN

SPR0304 1ST MAG. SPRING

13:16

Samplers Signatures (all team members present):

Laura J. J.

[Signature]

STATION ID:

9716

DATE:

5.13.09

TIME (EST):

13:16

CHEMICAL STABILITY MONITORING

#	TIME (00:00)	pH (s.u.)	TEMP. (°C)	SP. COND (uS/cm)	DO (mg/L)	% SAT DO (%)	COMMENTS
1	12:43	7.44	24.62	343	1.87	22.3	Began @ 12:15
2	12:45	7.45	24.63	343	2.15	25.0	
3	12:47	7.45	24.65	342	1.87	22.4	
4	12:49	7.46	24.60	343	1.89 ^{pm}	22.7	
5	12:51	7.46	24.65	343	2.01	24.2	
6	12:53	7.46	24.64	343	1.85	22.2	
7	13:00	7.48	24.6	343	2.16	26.0	Hydrolog tipped over, flow chamber drained
8	13:02	7.48	24.66	342	2.59	31.1	
9	13:04	7.48	24.34	343	2.31	27.7	
10	13:06	7.48	24.43	341	2.41	28.9	
11	13:08	7.49	24.62	342	2.33	28.0	
12	13:10	7.48	24.27	344	2.47	29.4	
13	13:12	7.48	24.17	344	2.31	27.6	
14	13:14	7.49	24.13	344	2.20 ^{pm}	27.0	Air in line,
15	13:16	7.48	24.14	343	2.50 ^{pm}	29.6	Source Unknown

Meter Id:

QD02228-Q102027

Field Measurements Analyzed By:

PM

(initials)

Field Measurements Recorded By:

PM

(initials)

The final three measurements will be evaluated for each of the field parameters listed above (only the values in mg/L for DO) to ensure that representative measurements have been collected for a site. The lowest and highest values for the three measurements must be within 20% when calculating the relative percent difference (RPD). If these values are not within 20%, the final field measurement value will be qualified as being estimated with an F value qualifier.

$$RPD = \frac{(\text{Highest Value} - \text{Lowest Value})}{\text{Mean Value of Highest and Lowest Values}}$$

X 100%