

**STATE OF FLORIDA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**SPRINGS SAMPLING FIELD SHEET**

**Station Information**

|                                                                              |                                       |                                                                                   |
|------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------|
| STATION ID: _____                                                            | DATE: <u>11/29/12</u><br>(MM/DD/YYYY) | TIME (EST): <u>10:15</u> (24 hr)<br>(Final field measurements; start of sampling) |
| SPRING NAME: <u>FERN HAMMOCK SPRINGS SIPO</u> VENT ID: _____                 |                                       |                                                                                   |
| WEATHER CONDITIONS (Circle One) <u>Clear</u> Partly Cloudy    Cloudy    Rain |                                       |                                                                                   |

**Water Quality Measurements**

|                                                                                                                   |                                                               |                |             |             |             |                  |                      |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|-------------|-------------|-------------|------------------|----------------------|
| Secchi Depth: <u>N/A</u> (meters)                                                                                 | Secchi Visible on Bottom    Yes    No (Circle One) <u>N/A</u> |                |             |             |             |                  |                      |
| Stage (if available): <u>N/A</u> (Feet)                                                                           |                                                               |                |             |             |             |                  |                      |
| Estimated depth in vent from which laboratory samples were collected: <u>N/A</u> (meters)                         |                                                               |                |             |             |             |                  |                      |
| Analytes collected for this site are as listed per the container inventory, including QA/QC samples <u>Yes</u> No |                                                               |                |             |             |             |                  |                      |
| Field Measurements (if field measurement result has to be qualified, enter F next to the value below):            |                                                               |                |             |             |             |                  |                      |
| Estimated Depth (meters)                                                                                          | Meter Id                                                      | Measure ment # | pH (s.u.)   | D.O. (mg/L) | % D.O.      | Temperature (°C) | Conductivity (uS/cm) |
| <u>N/A</u>                                                                                                        | <u>101901</u>                                                 | <u>16</u>      | <u>8.00</u> | <u>6.56</u> | <u>73.7</u> | <u>21.07</u>     | <u>114</u>           |

**Sample Preservation**

|                                                                                                                                               |            |                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------|
| Was a new 0.45-micron capsule filter used to collect the final metals and nutrients/anions samples?                                           | <u>Yes</u> | No (Circle One)                                                        |
| Were all appropriate samples preserved within 15 minutes?                                                                                     | <u>Yes</u> | No                                                                     |
| Were total nutrient samples preserved with sulfuric acid?                                                                                     | <u>Yes</u> | No    Total volume added <u>2</u> (mL)    Final pH <u>&lt;2</u> (s.u.) |
| Were filtered nutrient samples preserved with sulfuric acid?                                                                                  | <u>Yes</u> | No    Total volume added <u>2</u> (mL)    Final pH <u>&lt;2</u> (s.u.) |
| Were total metal samples preserved with nitric acid?                                                                                          | <u>Yes</u> | No    Total volume added <u>2</u> (mL)    Final pH <u>&lt;2</u> (s.u.) |
| Were filtered metal samples preserved with nitric acid?                                                                                       | <u>Yes</u> | No    Total volume added <u>2</u> (mL)    Final pH <u>&lt;2</u> (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?                                              | <u>Yes</u> | No                                                                     |

**COMMENTS:** \_\_\_\_\_

**RQ-2012-11-26-32**

**SPRG1210**

**QA/QC TAKEN? NO**

TIME COLLECTED \_\_\_\_\_

(Circle One)

EQUIPMENT BLANK

FIELD BLANK

Blanks collected in accordance with Springs Initiative Monitoring SOP

**Samplers Signatures (all team members present):**

E Wade    Edger W. Wade  
G Maddox    [Signature]



FERN HAMMOCK SPRINGS SIPO

SPRG1210

STATION ID: \_\_\_\_\_

Fern Hammock

DATE: 11/29/12TIME (EST): 10:15

## CHEMICAL STABILITY MONITORING

| #  | TIME<br>(00:00) | pH<br>(s.u.) | TEMP.<br>(°C) | SP.<br>COND<br>(uS/cm) | DO<br>(mg/L) | % SAT DO<br>(%) | COMMENTS |
|----|-----------------|--------------|---------------|------------------------|--------------|-----------------|----------|
| 1  | 10:07           | 8.05         | 21.06         | 114                    | 6.57         | 73.8            |          |
| 2  | 10:08           | 8.05         | 21.07         | 114                    | 6.57         | 73.7            |          |
| 3  | 10:08           | 8.05         | 21.08         | 115                    | 6.56         | 73.7            |          |
| 4  | 10:09           | 8.05         | 21.09         | 114                    | 6.55         | 73.6            |          |
| 5  | 10:09           | 8.04         | 21.09         | 114                    | 6.57         | 73.8            |          |
| 6  | 10:10           | 8.03         | 21.09         | 114                    | 6.57         | 73.6            |          |
| 7  | 10:10           | 8.03         | 21.09         | 114                    | 6.56         | 73.7            |          |
| 8  | 10:11           | 8.03         | 21.09         | 115                    | 6.54         | 73.6            |          |
| 9  | 10:11           | 8.03         | 21.09         | 114                    | 6.55         | 73.6            |          |
| 10 | 10:12           | 8.02         | 21.09         | 114                    | 6.55         | 73.6            |          |
| 11 | 10:12           | 8.02         | 21.08         | 114                    | 6.54         | 73.6            |          |
| 12 | 10:13           | 8.01         | 21.06         | 114                    | 6.57         | 73.8            |          |
| 13 | 10:13           | 8.01         | 21.06         | 114                    | 6.61         | 73.8            |          |
| 14 | 10:14           | 8.00         | 21.05         | 114                    | 6.59         | 73.8            |          |
| 15 | 10:14           | 8.00         | 21.05         | 114                    | 6.57         | 73.8            |          |

Meter Id: 101901Field Measurements Analyzed By: EGW (initials)Field Measurements Recorded By: EGW (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.

$$RPD = \frac{(\text{Highest Value} - \text{Lowest Value})}{(\text{Mean Value of Highest and Lowest Values})} \times 100\%$$