



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Ocklawaha Creek @ SR267

Date: 5/30/18  
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0053

WBID: 811

Latitude: 30.4503

(Decimal Degrees)

County: Gadsden

ORG ID: 21FTLHR

Longitude: -84.6435

(Decimal Degrees)

Receiving Body of Water: Lake Talquin

RQ-2018- 06-04-72

| Sampling Team Members |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| Jon Woods             |  |  |  |  | X               | X                 |               |              |                    |
| Sade Butcher          |  |  |  |  |                 | X                 | X             | X            |                    |

| Sampling Equipment                                   |                                   |                               |  |  |
|------------------------------------------------------|-----------------------------------|-------------------------------|--|--|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn | <input type="checkbox"/> Pole |  |  |
| <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe  |                               |  |  |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other    |                               |  |  |
| Depth Measured with                                  |                                   |                               |  |  |
| Equipment ID                                         |                                   |                               |  |  |

| Collection Method                              |                                         |  |  |  |
|------------------------------------------------|-----------------------------------------|--|--|--|
| <input type="checkbox"/> Wading                | <input type="checkbox"/> Canoe/Kayak    |  |  |  |
| <input checked="" type="checkbox"/> From Shore | <input type="checkbox"/> Electric Motor |  |  |  |
| <input type="checkbox"/> Other                 | <input type="checkbox"/> Gasoline Motor |  |  |  |

Water Level: Dry / Pooled / Low / Normal / High / Flooded      Meter ID# pro 055      Matrix: Fresh / Marine / DI

Photos: Yes / No      Flow: No Flow / Intestinal / Flowing / NA      Tide: Rising / Falling / Slack / NA      Tide Times: High / Low

| Time Zone  | Time        | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L)   | DO (%SAT)   | pH          | Salinity (PPT) | Sp COND (µmhos/cm) | Temp. (C°)  |
|------------|-------------|-----------------|------------------|-----------------|-------------|-------------|-------------|----------------|--------------------|-------------|
| <u>EST</u> | <u>1350</u> | <u>0.6</u>      | <u>0.3</u>       | <u>0.5</u>      | <u>6.10</u> | <u>71.2</u> | <u>4.37</u> | <u>0.02</u>    | <u>45</u>          | <u>23.0</u> |
| CEN        |             |                 |                  |                 |             |             |             |                |                    |             |

Biological Samples Collected: None    HA    SCI    RPS    Algae ID    LVS    LVI    Other:

SBIO ID Numbers:    SBIO-ID:    HA-ID:    RPS-ID:    Macrophyte-ID:    LIMS#:

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                                                                                             | Preservation                                                                         | Lot# | Expiration | pH Check                    |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------|------------|-----------------------------|
| Preserved Nutrients         | <input type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                                                                          | <input type="checkbox"/> Ice <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> |      |            | <input type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                               | <input type="checkbox"/> Ice <input type="checkbox"/> HNO <sub>3</sub>               |      |            | <input type="checkbox"/> <2 |
| Filtered Nutrients          | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                                       | <input type="checkbox"/> Ice                                                         |      |            |                             |
| Chlorophyll                 | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                           | <input type="checkbox"/> Ice                                                         |      |            |                             |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                                                          | <input type="checkbox"/> Ice                                                         |      |            |                             |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                                                                                                                 | <input type="checkbox"/> Ice                                                         |      |            |                             |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                           | <input type="checkbox"/> Formalin                                                    |      |            |                             |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                             | <input type="checkbox"/> Ice                                                         |      |            |                             |
| Microbiology                | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice                                              |      |            |                             |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BaCR <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                                                  | <input type="checkbox"/> Ice                                                         |      |            |                             |
| Tracers                     | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                                                                                                                   | <input type="checkbox"/> Ice                                                         |      |            |                             |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-CARB-AA<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R | <input type="checkbox"/> Ice<br><input type="checkbox"/> Other                       |      |            |                             |

Notes: A-b/t/m

Field/WIN ID →

Location ↓



G1TLHR0053



Ocklawaha Creek @ SR 267

Signature: [Signature]

Date: 5/30/18

Enter Field Parameters, Verify Station ID in LIMS DMT: [Signature]

(Initials/Date)

QC Station ID, Field Parameters in LIMS DMT: \_\_\_\_\_

(Initials/Date)

Scan/Save Field Sheets

(Initials/Date)

Migrate Data to WIN: \_\_\_\_\_

(Initials/Date)

Verify Data in WIN: \_\_\_\_\_

(Initials/Date)

Bacteria Freshwater Suite ECOLI-18QT ( Escherichia coli )

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Requester: Chris Green

Field Report Prepared By: J. Woods

Project ID: SMP

Collected By: Woods/Bustanett

Sampling Agency: 8034

|             |                                    |  |                                       |              |               |                            |                 |
|-------------|------------------------------------|--|---------------------------------------|--------------|---------------|----------------------------|-----------------|
| Location    | Field/WIN ID →                     |  | Collection (comp begin or grab)       |              | Composite end |                            | Bottle Group(s) |
| Field ID    | Location ↓                         |  | Comp Grab                             | Date         | Time          | mg/L % sat                 | (See pg 2)      |
| WIN/STORE   | G1TLHR0053                         |  | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen | 6.10          | Total Res. Chlorine (mg/L) | A               |
| Latitude    | Ocklawaha Creek @ SR 267           |  | Temp (C)                              | pH           | 4.37          | Sp. Conductance (umho/cm)  | 45              |
|             | dd dms                             |  | Salinity (ppt)                        | Comments     | 0.3           |                            |                 |
|             | dd dms                             |  |                                       |              |               |                            |                 |
| Location    | Field/WIN ID →                     |  | Collection (comp begin or grab)       |              | Composite end |                            | Bottle Group(s) |
| Field ID    | Location ↓                         |  | Comp Grab                             | Date         | Time          | mg/L % sat                 | (See pg 2)      |
| WIN/STORE   | G1TLHR0055                         |  | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen | 7.85          | Total Res. Chlorine (mg/L) | A               |
| Latitude    | Polk Creek @ End of Merry Robin Rd |  | Temp (C)                              | pH           | 4.63          | Sp. Conductance (umho/cm)  | 68              |
|             | dd dms                             |  | Salinity (ppt)                        | Comments     | 0.15          |                            |                 |
|             | dd dms                             |  |                                       |              |               |                            |                 |
| Location    | Field/WIN ID →                     |  | Collection (comp begin or grab)       |              | Composite end |                            | Bottle Group(s) |
| Field ID    | Location ↓                         |  | Comp Grab                             | Date         | Time          | mg/L % sat                 | (See pg 2)      |
| WIN/STORE # |                                    |  | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen |               | Total Res. Chlorine (mg/L) |                 |
| Latitude    |                                    |  | Temp (C)                              | pH           |               | Sp. Conductance (umho/cm)  |                 |
|             | dd dms                             |  | Salinity (ppt)                        | Comments     |               |                            |                 |
|             | dd dms                             |  |                                       |              |               |                            |                 |
| Location    | Field/WIN ID →                     |  | Collection (comp begin or grab)       |              | Composite end |                            | Bottle Group(s) |
| Field ID    | Location ↓                         |  | Comp Grab                             | Date         | Time          | mg/L % sat                 | (See pg 2)      |
| WIN/STORE # |                                    |  | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen |               | Total Res. Chlorine (mg/L) |                 |
| Latitude    |                                    |  | Temp (C)                              | pH           |               | Sp. Conductance (umho/cm)  |                 |
|             | dd dms                             |  | Salinity (ppt)                        | Comments     |               |                            |                 |
|             | dd dms                             |  |                                       |              |               |                            |                 |

|                     |                         |                     |                              |                          |                         |
|---------------------|-------------------------|---------------------|------------------------------|--------------------------|-------------------------|
| Relinquished By: JW | Date/Time: 5/30/18 1445 | Shipping Method: HD | Number of Coolers Shipped: 1 | Received By: [Signature] | Date/Time: 5-30-18 1445 |
|---------------------|-------------------------|---------------------|------------------------------|--------------------------|-------------------------|

Group: A

Bottle Type: P-250ML-WO-THI  
ECOLI-18QT

# of Bottles: 12

Preservative:

ICE

Enter Number of Bottles Sent to Lab

2

Cooler Packing Worksheet for Request: RQ-2018-06-04-72

Bacteria Freshwater Suite ECOLI-18QT ( Escherichia coli )

Ship Cooler On: 5/31/2018

Customer/Project: TLH-ROC/SMP

Assigned To: REYNOLDS\_T

Requester: Chris Green

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Chris Green

Please return  
packing list with  
sample submittal  
forms.

Comments:

No preservatives needed.

no FedEx bills

no zip ties

Requested Analyses:

**Bottle Group: A**

**# of Sites: 12**

Container ID: P-250ML-WO-THI

Qty: 12 Preservation: ICE

Lot #

218806

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colifert 18 Quanti-Tray method - non-chlorinated water systems

Cooler Packed By: Tyler R.

Number of Coolers: 1

Date:

05/29/18

Kit must also include:

☒ Field Sheets

☒ Temperature Control Bottle

☒ FedEx Bills, if applicable

☒ Plastic Bags/Zip Ties

☒ Acid Labels (sets of 24)

If Preservation Included:

ID \_\_\_\_\_ Exp \_\_\_\_\_ Lot # \_\_\_\_\_

ID \_\_\_\_\_ Exp \_\_\_\_\_ Lot # \_\_\_\_\_

ID \_\_\_\_\_ Exp \_\_\_\_\_ Lot # \_\_\_\_\_

ID \_\_\_\_\_ Exp \_\_\_\_\_ Lot # \_\_\_\_\_

ID \_\_\_\_\_ Exp \_\_\_\_\_ Lot # \_\_\_\_\_

**PLEASE RETURN ALL COOLERS FOR RQ-2018-06-04-72**

# CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID: ProDSS

RQ-                     

Project: SMP 2018

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site                     

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 3/17

| DO<br>DEP SOP<br>FT 1500 | Name        | Date    | Time<br>CT-ET | Temp | D.O.<br>Chart<br>mg/L | Meter<br>D.O.<br>mg/L | % DO | Probe<br>Charge | Probe<br>Gain | Pass<br>/ Fail | Lab<br>/ Field |
|--------------------------|-------------|---------|---------------|------|-----------------------|-----------------------|------|-----------------|---------------|----------------|----------------|
| Calibr.                  | J. Burchett | 5/30/18 | 755           | 22.1 | 8.73                  | 8.73                  | 100  | -               | 1.06          | <u>P</u> /F    | <u>G</u> /F    |
| ICV                      | ↓           | ↓       | 405           | 22.0 | 8.74                  | 8.75                  | 100  | -               | -             | <u>P</u> /F    | <u>G</u> /F    |
| CCV                      | Don Woods   | ↓       | 1452          | 26.1 | 8.10                  | 8.12                  | 100  | -               | -             | <u>P</u> /F    | <u>G</u> /F    |
| CCV                      |             |         |               |      |                       |                       |      |                 |               | P/F            | L/F            |

DO Acceptance criteria from Table  $\pm 0.3$  mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

| Spec.<br>Cond.<br>FT 1200 | Name        | Date    | Time<br>CT-ET | Lot #   | Expir.<br>Date | Standard<br>$\mu$ hos/cm | Meter<br>Reading<br>$\mu$ hos/cm | Pass<br>/ Fail | Lab<br>/ Field |
|---------------------------|-------------|---------|---------------|---------|----------------|--------------------------|----------------------------------|----------------|----------------|
| Calibr.                   | J. Burchett | 5/30/18 | 757           | 180403A | 06/19          | 1000                     | 1000                             | <u>P</u> /F    | <u>G</u> /F    |
| ICV                       | ↓           | ↓       | 807           | 2802833 | 01/20          | 100                      | 100                              | <u>P</u> /F    | <u>G</u> /F    |
| CCV                       | Don Woods   | ↓       | 1453          | 180403A | 01/2019        | 1000                     | 990                              | <u>P</u> /F    | <u>G</u> /F    |
| CCV                       | "           | ↓       | 1454          | 2802833 | 1/2020         | 100                      | 100                              | <u>P</u> /F    | <u>L</u> /F    |

Conductivity Acceptance criteria  $\pm 5\%$

| pH<br>DEP SOP<br>FT 1100 | Name        | Date    | Time<br>CT-ET | Lot #   | Expir.<br>Date | pH<br>Buffer<br>SU | Meter<br>reading<br>SU | mV     | Pass<br>/ Fail | Lab<br>/ Field |
|--------------------------|-------------|---------|---------------|---------|----------------|--------------------|------------------------|--------|----------------|----------------|
| Calibr.                  | J. Burchett | 5/30/18 | 759           | 171121A | 06/19          | 7.0                | 7.0                    | -20.1  | <u>P</u> /F    | <u>G</u> /F    |
| Calibr.                  | ↓           | ↓       | 801           | 180116D | 01/19          | 4.0                | 4.0                    | 139.7  | <u>P</u> /F    | <u>G</u> /F    |
| Calibr.                  | ↓           | ↓       | 803           | 180221E | 09/19          | 10.0               | 10.0                   | -174.9 | <u>P</u> /F    | <u>G</u> /F    |
| ICV                      | ↓           | ↓       | 809           | 180221E | 09/19          | 10.0               | 10.0                   | -175.2 | <u>P</u> /F    | <u>G</u> /F    |
| CCV                      | Don Woods   | ↓       | 1455          | 180116D | 01/2019        | 4.0                | 4.1                    | 132    | <u>P</u> /F    | <u>L</u> /F    |
| CCV                      |             |         |               |         |                |                    |                        |        | P/F            | L/F            |

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range  $0 \pm 50$ ;

mV pH 4 Range  $+180 \pm 50$ ;

mV pH 10 Range  $-180 \pm 50$ ;

If mV are recorded: slope from 7 to 10 1, slope from 4 to 7 1 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 3/17

| Depth Sensor<br>(Daily Calibration &<br>ICV) | Name | Date | Time<br>CT-ET | Calibrated<br>Value (0.00 or<br>Offset), meters | ICV Value<br>meters | Pass /<br>Fail | Lab /<br>Field |
|----------------------------------------------|------|------|---------------|-------------------------------------------------|---------------------|----------------|----------------|
| Pressure mode in air                         |      |      |               |                                                 |                     | P / F          | L / F          |

Report two decimal places. Round numbers  $\leq 4$  down,  $\geq 5$  up. ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater.

COMMENTS: