



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Unnamed Branch @ Flat Creek Rd

Date: 02/13/2018  
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0031

WBID: 477

Latitude: 30.628287

(Decimal Degrees)

County: Gadsden

ORG ID: 21FLTLHR

Longitude: 84.825169

(Decimal Degrees)

Receiving Body of Water: Flat Creek

RQ-2018- 01-29-48

| Sampling Team Members |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| Jessie Tolbert        |  |  |  |  |                 |                   |               |              |                    |
| Jade Burtzbeff        |  |  |  |  |                 |                   |               |              |                    |

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

| Collection Method                          |                                         |  |
|--------------------------------------------|-----------------------------------------|--|
| <input checked="" type="checkbox"/> Wading | <input type="checkbox"/> Canoe/Kayak    |  |
| <input 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  
Photos: Yes / No / Flow: No Flow / Intestinal / Flowing / NA  
Meter ID# YSI Exo 3 Matrix: Fresh Marine / DI  
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 (umhos/cm) | Temp. (C°) |
|-----------|-------|-----------------|------------------|-----------------|-----------|-----------|------|----------------|--------------------|------------|
| EST       | 12:50 | 0.3             | 0.15             | 0.35            | 4.19      | 43.6      | 6.98 | .03            | 74                 | 16.2       |
| 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 checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                              | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | 7341026 | 12/07/18   | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                              | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3                        |         |            | <input type="checkbox"/> <2            |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 um Filter                                                                | <input type="checkbox"/> Ice                                                      |         |            |                                        |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHL-SUITE-W                                                                                                                              | <input type="checkbox"/> Ice                                                      |         |            |                                        |
| Physical/Aggregate (Fresh)  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-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 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                                | <input type="checkbox"/> Ice                                                      |         |            |                                        |
|                             | <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"/> Other                                                    |         |            |                                        |

Notes:  
Kit: A-b

Secchi visible on bottom

Field/WIN ID  
Location



G2TLHR0031

Unnamed Branch @ Flat Creek Rd

Signature:

Date:

2-13-18

Enter Field Parameters, Verify Station ID in LIMS DMT:

JB 2/15/18

(Initials/Date)

QC Station ID, Field Parameters in LIMS DMT:

JB 2/15/18

(Initials/Date)

Scan/Save Field Sheets

JB 2/15/18

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data in WIN:

(Initials/Date)

# 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 name.

Meter ID: Eyo 3

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 12/17

| DO DEP SOP FT 1500 | Name         | Date    | Time CT-ET | Temp  | D.O. Chart mg/L | Meter D.O. mg/L | % DO | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|--------------|---------|------------|-------|-----------------|-----------------|------|--------------|------------|-------------|-------------|
| Calibr.            | J. Burtchett | 2/13/18 | 816        | 17.5  | 9.57            | 9.56            | 100  | -            | 1.04       | P/F         | P/F         |
| ICV                | ↓            | ↓       | 826        | 21.2  | 8.88            | 8.88            | 100  | -            | -          | P/F         | P/F         |
| CCV                | ↓            | ↓       | 1443       | 21.06 | 8.91            | 8.91            | 100  | -            | -          | P/F         | L/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. Cond. FT 1200 | Name         | Date    | Time CT-ET | Lot #   | Expir. Date | Standard $\mu$ mhos/cm | Meter Reading $\mu$ mhos/cm | Pass / Fail | Lab / Field |
|---------------------|--------------|---------|------------|---------|-------------|------------------------|-----------------------------|-------------|-------------|
| Calibr.             | J. Burtchett | 2/13/18 | 816        | 140116B | 01/19       | 1000                   | 1000                        | P/F         | P/F         |
| ICV                 | ↓            | ↓       | 828        | 2710781 | 09/19       | 100                    | 100                         | P/F         | P/F         |
| CCV                 | ↓            | ↓       | 1445       | 2710781 | 09/14       | 100                    | 95                          | P/F         | L/F         |
| CCV                 |              |         |            |         |             |                        |                             | P/F         | L/F         |

Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name         | Date    | Time CT-ET | Lot #   | Expir. Date | pH Buffer SU | Meter reading SU | mV     | Pass / Fail | Lab / Field |
|--------------------|--------------|---------|------------|---------|-------------|--------------|------------------|--------|-------------|-------------|
| Calibr.            | J. Burtchett | 2/13/18 | 820        | 171121A | 06/19       | 7.0          | 7.0              | -24.4  | P/F         | P/F         |
| Calibr.            |              |         | 822        | 180116D | 01/19       | 4.0          | 4.0              | 153.9  | P/F         | P/F         |
| Calibr.            | ↓            | ↓       | 824        | 171121B | 06/19       | 10.0         | 10.0             | -194.5 | P/F         | P/F         |
| ICV                | ↓            | ↓       | 830        | 171121B | 06/19       | 10.0         | 10.0             | -197.5 | P/F         | P/F         |
| CCV                |              |         | 1448       | 180116D | 01/19       | 4.0          | 4.2              | 134    | P/F         | L/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 10 170.1, slope from 4 to 7 178.3 (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 12/17

| Depth Sensor (Daily Calibration & ICV) | Name | Date | Time CT-ET | Calibrated Value (0.00 or Offset), meters | ICV Value meters | Pass / Fail | Lab / 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:

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: TLH-ROC

Project ID: SMP

Requester: Chris Green

Collected By: Tolbert

Field Report Prepared By: Tolbert

Sampling Agency: 8034

|          |              |            |  |                                       |  |                     |      |              |      |       |                     |                 |
|----------|--------------|------------|--|---------------------------------------|--|---------------------|------|--------------|------|-------|---------------------|-----------------|
| Location | Field/WIN ID | G2TLHR0031 |  | Collection (comp begin or grab)       |  | Comp                | Grab | Date         | Time | 12:50 | Composite end       | Bottle Group(s) |
|          | Location     |            |  | Matrix (type, e.g., Salt, Fresh, etc) |  |                     |      | Diss. Oxygen |      | 9.19  | Total Res. Chlorine | A               |
|          | WIN/S        |            |  | Temp (C)                              |  | 16.2                |      | pH           |      | 6.18  | Sp. Conductance     |                 |
|          | Latitude     |            |  | Salinity (ppt)                        |  | 0.03                |      | Sample Depth |      | 0.15  | (umho/cm)           |                 |
|          | Longitude    |            |  | Comments                              |  | 0.15 m sample depth |      |              |      |       |                     |                 |
| Location | Field/WIN ID | G2TLHR0041 |  | Collection (comp begin or grab)       |  | Comp                | Grab | Date         | Time | 13:20 | Composite end       | Bottle Group(s) |
|          | Location     |            |  | Matrix (type, e.g., Salt, Fresh, etc) |  |                     |      | Diss. Oxygen |      | 9.01  | Total Res. Chlorine | A               |
|          | WIN/S        |            |  | Temp (C)                              |  | 17.0                |      | pH           |      | 5.80  | Sp. Conductance     |                 |
|          | Latitude     |            |  | Salinity (ppt)                        |  | 0.01                |      | Sample Depth |      | 0.15  | (umho/cm)           |                 |
|          | Longitude    |            |  | Comments                              |  | 24.0                |      |              |      |       |                     |                 |
| Location | Field ID     |            |  | Collection (comp begin or grab)       |  | Comp                | Grab | Date         | Time |       | Composite end       | Bottle Group(s) |
|          | WIN/STORET # |            |  | Matrix (type, e.g., Salt, Fresh, etc) |  |                     |      | Diss. Oxygen |      |       | Total Res. Chlorine |                 |
|          | Latitude     |            |  | Temp (C)                              |  |                     |      | pH           |      |       | Sp. Conductance     |                 |
|          | Longitude    |            |  | Salinity (ppt)                        |  |                     |      | Sample Depth |      |       | (umho/cm)           |                 |
|          | Comments     |            |  |                                       |  |                     |      |              |      |       |                     |                 |
| Location | Field ID     |            |  | Collection (comp begin or grab)       |  | Comp                | Grab | Date         | Time |       | Composite end       | Bottle Group(s) |
|          | WIN/STORET # |            |  | Matrix (type, e.g., Salt, Fresh, etc) |  |                     |      | Diss. Oxygen |      |       | Total Res. Chlorine |                 |
|          | Latitude     |            |  | Temp (C)                              |  |                     |      | pH           |      |       | Sp. Conductance     |                 |
|          | Longitude    |            |  | Salinity (ppt)                        |  |                     |      | Sample Depth |      |       | (umho/cm)           |                 |
|          | Comments     |            |  |                                       |  |                     |      |              |      |       |                     |                 |
| Location | Field ID     |            |  | Collection (comp begin or grab)       |  | Comp                | Grab | Date         | Time |       | Composite end       | Bottle Group(s) |
|          | WIN/STORET # |            |  | Matrix (type, e.g., Salt, Fresh, etc) |  |                     |      | Diss. Oxygen |      |       | Total Res. Chlorine |                 |
|          | Latitude     |            |  | Temp (C)                              |  |                     |      | pH           |      |       | Sp. Conductance     |                 |
|          | Longitude    |            |  | Salinity (ppt)                        |  |                     |      | Sample Depth |      |       | (umho/cm)           |                 |
|          | Comments     |            |  |                                       |  |                     |      |              |      |       |                     |                 |

|                          |                            |                     |                              |                          |                         |
|--------------------------|----------------------------|---------------------|------------------------------|--------------------------|-------------------------|
| Relinquished By: Tolbert | Date/Time: 2-13-2018 14:34 | Shipping Method: HD | Number of Coolers Shipped: 1 | Received By: [Signature] | Date/Time: 2-13-18/2:35 |
|--------------------------|----------------------------|---------------------|------------------------------|--------------------------|-------------------------|