



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Ochlockonee River Upstream of US 90

Date: 6/21/2018

WIN/ Field ID: G1WA0068

WBID: 1297E

Latitude: 30.47573

(mm/dd/yyyy)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.40595

(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico

RQ-2018- 05-14-19

| Sampling Team Members                                                             |                                                                                                                                                                              |                 |                  | WQ Measurements                                  | Sample Collection                                                                 | Documentation     | Preservation   | Preservation Check                      | Sampling Equipment                                   |                                             |                               |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|----------------|-----------------------------------------|------------------------------------------------------|---------------------------------------------|-------------------------------|--|
| Ben Ralys                                                                         |                                                                                                                                                                              |                 |                  | X                                                | X                                                                                 | X                 |                |                                         | <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn           | <input type="checkbox"/> Pole |  |
| Curtis Musson                                                                     |                                                                                                                                                                              |                 |                  |                                                  |                                                                                   | X                 | X              | X                                       | <input type="checkbox"/> Carboy                      | <input checked="" type="checkbox"/> Syringe |                               |  |
|                                                                                   |                                                                                                                                                                              |                 |                  |                                                  |                                                                                   |                   |                |                                         | <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other              |                               |  |
|                                                                                   |                                                                                                                                                                              |                 |                  |                                                  |                                                                                   |                   |                |                                         | Depth Measured with <u>309r</u>                      |                                             |                               |  |
|                                                                                   |                                                                                                                                                                              |                 |                  |                                                  |                                                                                   |                   |                |                                         | Equipment ID                                         |                                             |                               |  |
| Collection Method                                                                 |                                                                                                                                                                              |                 |                  |                                                  |                                                                                   |                   |                |                                         |                                                      |                                             |                               |  |
| <input type="checkbox"/> Wading <input type="checkbox"/> Canoe/Kayak              |                                                                                                                                                                              |                 |                  |                                                  |                                                                                   |                   |                |                                         |                                                      |                                             |                               |  |
| <input type="checkbox"/> From Shore <input type="checkbox"/> Electric Motor       |                                                                                                                                                                              |                 |                  |                                                  |                                                                                   |                   |                |                                         |                                                      |                                             |                               |  |
| <input type="checkbox"/> Other <input checked="" type="checkbox"/> Gasoline Motor |                                                                                                                                                                              |                 |                  |                                                  |                                                                                   |                   |                |                                         |                                                      |                                             |                               |  |
| Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded                    |                                                                                                                                                                              |                 |                  | Meter ID# <u>Biology #2</u>                      |                                                                                   |                   |                | Matrix: <u>EO</u> Fresh / Marine / DI   |                                                      |                                             |                               |  |
| Photos: Yes / <u>No</u>                                                           |                                                                                                                                                                              |                 |                  | Flow: No Flow / Intestinal / <u>Flowing</u> / NA |                                                                                   |                   |                | Tide: Rising/ Falling/ Slack/ <u>NA</u> |                                                      |                                             |                               |  |
| Tide Times: High <u>NA</u> Low <u>NA</u>                                          |                                                                                                                                                                              |                 |                  |                                                  |                                                                                   |                   |                |                                         |                                                      |                                             |                               |  |
| 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>950</u>                                                                                                                                                                   | <u>4.8</u>      | <u>0.3</u>       | <u>0.3</u>                                       | <u>5.58</u>                                                                       | <u>70.1</u>       | <u>6.73</u>    | <u>0.04</u>                             | <u>80</u>                                            | <u>27.13</u>                                |                               |  |
| CEN                                                                               | <u>955</u>                                                                                                                                                                   |                 | <u>4.3</u>       |                                                  | <u>5.54</u>                                                                       | <u>69.8</u>       | <u>6.70</u>    | <u>0.04</u>                             | <u>80</u>                                            | <u>27.14</u>                                |                               |  |
| Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:      |                                                                                                                                                                              |                 |                  |                                                  |                                                                                   |                   |                |                                         |                                                      |                                             |                               |  |
| SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: <u>2002766</u>     |                                                                                                                                                                              |                 |                  |                                                  |                                                                                   |                   |                |                                         |                                                      |                                             |                               |  |
| 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 | <u>SA8085170</u>  | <u>3/26/19</u> | <input checked="" type="checkbox"/> <2  |                                                      |                                             |                               |  |
| Metals                                                                            | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP                                                                                        |                 |                  |                                                  | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3  | <u>NA 7261126</u> | <u>9/18/18</u> | <input checked="" type="checkbox"/> <2  |                                                      |                                             |                               |  |
| Filtered Nutrients                                                                | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                |                 |                  |                                                  | <input checked="" type="checkbox"/> Ice                                           | <u>1090054</u>    |                |                                         |                                                      |                                             |                               |  |
| Chlorophyll                                                                       | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                               |                 |                  |                                                  | <input checked="" type="checkbox"/> Ice                                           |                   |                |                                         |                                                      |                                             |                               |  |
| Physical/Aggregate (Fresh)                                                        | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS                                                              |                 |                  |                                                  | <input checked="" 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                                |                 |                  |                                                  | <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                                                    |                   |                |                                         |                                                      |                                             |                               |  |

Contains: 1:1 H2SO4  
Lot No: SA8085170  
Expires: 03/26/19  
See Safety Data Sheet (SDS)

Contains  
1:1  
Nitric Acid  
NA - 7261120  
EXP: 09/18/18  
See SDS

## Notes:

Kit-C,  
Bacteria

WIN ID / FIELD ID

Ochlockonee River  
Upstream of US 90



G1WA0068

Signature:

Date:

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(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: BIO #2

RQ: 2018-05-14-19

Project: SMP

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 \_\_\_\_\_

| 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.            | Ben Ralys     | 6/21/18 | 7:05       | 21.36 | 8.86            | 8.85            | 100.0 | 60.4         | -          | (P) F       | (L) F       |
| ICV                | Ben Ralys     | 6/21/18 | 7:06       | 21.37 | 8.86            | 8.85            | 100.0 | 61.4         | -          | (P) F       | (L) F       |
| CCV                | Curtis Mussen | 6/21/18 | 1339       | 24.49 | 8.430           | 8.39            | 100.4 | 62.5         | -          | (P) F       | (L) F       |
| CCV                |               |         |            |       |                 |                 |       |              |            | P / F       | L / F       |

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

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

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

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

| Spec. Cond. FT 1200 | Name          | Date    | Time CT-ET | Lot #   | Expir. Date | Standard $\mu$ hos/cm | Meter Reading $\mu$ hos/cm | Pass / Fail | Lab / Field |
|---------------------|---------------|---------|------------|---------|-------------|-----------------------|----------------------------|-------------|-------------|
| Calibr.             | Ben Ralys     | 6/21/18 | 7:07       | 171005D | 10/2018     | 1,000                 | 1,000                      | (P) F       | (L) F       |
| ICV                 | Ben Ralys     | 6/21/18 | 7:08       | 171005D | 10/2018     | 1,000                 | 1,000                      | (P) F       | (L) F       |
| CCV                 | Curtis Mussen | 6/21/18 | 1343       | 180326A | 04/2019     | 100                   | 103                        | (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.            | Ben Ralys     | 6/21/18 | 7:10       | 180326D | 10/2019     | 7.0          | 7.0              | 18.1   | (P) F       | (L) F       |
| Calibr.            | Ben Ralys     | 6/21/18 | 7:13       | 180326C | 4/2019      | 4.01         | 4.0              | 129.7  | (P) F       | (L) F       |
| Calibr.            | Ben Ralys     | 6/21/18 | 7:15       | 171005C | 4/2019      | 10.0         | 10.0             | -149.0 | (P) F       | (L) F       |
| ICV                | Ben Ralys     | 6/21/18 | 7:17       | 171005C | 4/2019      | 10.0         | 9.99             | -148.6 | (P) F       | (L) F       |
| CCV                | Curtis Mussen | 6/21/18 | 1347       | 180326C | 4/2019      | 4.01         | 4.09             | 185    | (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 \_\_\_\_\_, slope from 4 to 7 \_\_\_\_\_ (both must be between 165 and 180 mV)

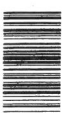
Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification \_\_\_\_\_

| 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:



|                |  |                   |  |                                                                                               |  |                                       |  |              |  |                     |  |                     |  |
|----------------|--|-------------------|--|-----------------------------------------------------------------------------------------------|--|---------------------------------------|--|--------------|--|---------------------|--|---------------------|--|
| Location       |  | Burnt Mill Creek  |  | Filed/WIN ID                                                                                  |  | 8:00 6/21/2006                        |  | 8:00         |  | Composite end       |  | Bottle Group(s)     |  |
| Field ID       |  | Upstream of US 27 |  |  G1WA00067 |  | Matrix (type, e.g., Salt, Fresh, etc) |  | Diss. Oxygen |  | Date                |  | (See pg 2)          |  |
| WIN/STORET #   |  |                   |  |                                                                                               |  | Fresh                                 |  | 83.7         |  |                     |  | A,C                 |  |
| Latitude       |  | Longitude         |  |                                                                                               |  | Temp (C)                              |  | pH           |  | Sample Depth        |  | Total Res. Chlorine |  |
|                |  |                   |  |                                                                                               |  | 24.76                                 |  | 6.96         |  | 0.3                 |  | 62                  |  |
| Salinity (ppt) |  |                   |  |                                                                                               |  | 0.03                                  |  | Comments     |  | RPS/LVS             |  |                     |  |
| Location       |  | Lew s Creek       |  | Filed/WIN ID                                                                                  |  | 6-21-19                               |  | 1145         |  | Composite end       |  | Bottle Group(s)     |  |
| Field ID       |  |                   |  |  G1WA00075 |  | Matrix (type, e.g., Salt, Fresh, etc) |  | Diss. Oxygen |  | Date                |  | A,C                 |  |
| WIN/STORET #   |  |                   |  |                                                                                               |  | Fresh                                 |  | 80.6         |  |                     |  |                     |  |
| Latitude       |  | Longitude         |  |                                                                                               |  | Temp (C)                              |  | pH           |  | Sample Depth        |  | Total Res. Chlorine |  |
|                |  |                   |  |                                                                                               |  | 30.31                                 |  | 6.68         |  | 0.1                 |  | 66                  |  |
| Salinity (ppt) |  |                   |  |                                                                                               |  | 0.2                                   |  | Comments     |  |                     |  |                     |  |
| Location       |  |                   |  |                                                                                               |  | Collection (comp begin or grab)       |  | Time         |  | Composite end       |  | Bottle Group(s)     |  |
| Field ID       |  |                   |  |                                                                                               |  | Date                                  |  |              |  | Date                |  |                     |  |
| WIN/STORET #   |  |                   |  |                                                                                               |  | Matrix (type, e.g., Salt, Fresh, etc) |  | Diss. Oxygen |  | Total Res. Chlorine |  |                     |  |
| Latitude       |  | Longitude         |  |                                                                                               |  | Temp (C)                              |  | pH           |  | Sample Depth        |  | Total Res. Chlorine |  |
|                |  |                   |  |                                                                                               |  |                                       |  |              |  |                     |  |                     |  |
| Salinity (ppt) |  |                   |  |                                                                                               |  |                                       |  | Comments     |  |                     |  |                     |  |
| Location       |  |                   |  |                                                                                               |  | Collection (comp begin or grab)       |  | Time         |  | Composite end       |  | Bottle Group(s)     |  |
| Field ID       |  |                   |  |                                                                                               |  | Date                                  |  |              |  | Date                |  |                     |  |
| WIN/STORET #   |  |                   |  |                                                                                               |  | Matrix (type, e.g., Salt, Fresh, etc) |  | Diss. Oxygen |  | Total Res. Chlorine |  |                     |  |
| Latitude       |  | Longitude         |  |                                                                                               |  | Temp (C)                              |  | pH           |  | Sample Depth        |  | Total Res. Chlorine |  |
|                |  |                   |  |                                                                                               |  |                                       |  |              |  |                     |  |                     |  |
| Salinity (ppt) |  |                   |  |                                                                                               |  |                                       |  | Comments     |  |                     |  |                     |  |
| Location       |  |                   |  |                                                                                               |  | Collection (comp begin or grab)       |  | Time         |  | Composite end       |  | Bottle Group(s)     |  |
| Field ID       |  |                   |  |                                                                                               |  | Date                                  |  |              |  | Date                |  |                     |  |
| WIN/STORET #   |  |                   |  |                                                                                               |  | Matrix (type, e.g., Salt, Fresh, etc) |  | Diss. Oxygen |  | Total Res. Chlorine |  |                     |  |
| Latitude       |  | Longitude         |  |                                                                                               |  | Temp (C)                              |  | pH           |  | Sample Depth        |  | Total Res. Chlorine |  |
|                |  |                   |  |                                                                                               |  |                                       |  |              |  |                     |  |                     |  |
| Salinity (ppt) |  |                   |  |                                                                                               |  |                                       |  | Comments     |  |                     |  |                     |  |

|                                   |                      |                             |                                 |                                                                                                     |                      |
|-----------------------------------|----------------------|-----------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|
| Relinquished By:<br>Curtis Wesson | Date/Time<br>6/21/18 | Shipping Method<br>Drop off | Number of Coolers Shipped:<br>2 | Received By:<br> | Date/Time<br>6/21/18 |
|-----------------------------------|----------------------|-----------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|

Florida Department of Environmental Protection  
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency:

| Location     |                                                             | WIN ID / FIELD ID                     |              | Collection (comp begin or grab) |                     | Composite end |      | Bottle Group(s) |  |
|--------------|-------------------------------------------------------------|---------------------------------------|--------------|---------------------------------|---------------------|---------------|------|-----------------|--|
| Field ID     | Field ID                                                    | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen | % sat                           | Total Res. Chlorine | Time          | Time | Time            |  |
| WIN/STORET # | Ochlocknee River<br>Downstream of Tower Rd<br>G1WA0070      | Temp (C)                              | 26.85        | pH                              | 6.34                | Sample Depth  | 0.3  | 72              |  |
| Latitude     | dd dms                                                      | Longitude                             | dd dms       | Salinity (ppt)                  | 0.03                | Comments      |      | A.B             |  |
| Location     |                                                             |                                       |              |                                 |                     |               |      |                 |  |
| Field ID     | Ochlocknee River<br>Upstream of Tower Rd<br>G1WA0069        | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen | % sat                           | Total Res. Chlorine | Time          | Time | Time            |  |
| WIN/STORET # |                                                             | Temp (C)                              | 26.83        | pH                              | 6.31                | Sample Depth  | 0.3  | 72              |  |
| Latitude     | dd dms                                                      | Longitude                             | dd dms       | Salinity (ppt)                  | 0.03                | Comments      |      | A.B             |  |
| Location     |                                                             |                                       |              |                                 |                     |               |      |                 |  |
| Field ID     | Ochlocknee River<br>Upstream of Old Brainbridge<br>G1WA0071 | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen | % sat                           | Total Res. Chlorine | Time          | Time | Time            |  |
| WIN/STORET # |                                                             | Temp (C)                              |              | pH                              |                     | Sample Depth  |      |                 |  |
| Latitude     | dd dms                                                      | Longitude                             | dd dms       | Salinity (ppt)                  |                     | Comments      |      | Not collect     |  |
| Location     |                                                             |                                       |              |                                 |                     |               |      |                 |  |
| Field ID     | Ochlocknee River<br>Upstream of US 90<br>G1WA0068           | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen | % sat                           | Total Res. Chlorine | Time          | Time | Time            |  |
| WIN/STORET # |                                                             | Temp (C)                              | 27.13        | pH                              | 6.73                | Sample Depth  | 0.3  | 80              |  |
| Latitude     | dd dms                                                      | Longitude                             | dd dms       | Salinity (ppt)                  | 0.04                | Comments      |      | A.B             |  |
| Location     |                                                             |                                       |              |                                 |                     |               |      |                 |  |

| Relinquished By: |              | Shipping Method |   | Number of Coolers Shipped: |  | Received By: |              |
|------------------|--------------|-----------------|---|----------------------------|--|--------------|--------------|
| Curtis Musson    | 6/21/18 1:17 | Drop off        | 2 |                            |  |              | 6/21/18 1320 |

|                                          |                                |                 |                                |                                     |   |
|------------------------------------------|--------------------------------|-----------------|--------------------------------|-------------------------------------|---|
| Group: A                                 | Bottle Type:<br>P-1L           | # of Bottles: 6 | Preservative:<br>ICE           | Enter Number of Bottles Sent to Lab | 5 |
| ALKALINITY                               |                                |                 |                                |                                     |   |
| TURBIDITY                                |                                |                 |                                |                                     |   |
| W-CL-IC                                  |                                |                 |                                |                                     |   |
| W-COLOR                                  |                                |                 |                                |                                     |   |
| W-F                                      |                                |                 |                                |                                     |   |
| W-SO4-IC                                 |                                |                 |                                |                                     |   |
| W-TDS                                    |                                |                 |                                |                                     |   |
| W-TSS                                    |                                |                 |                                |                                     |   |
| Group: A                                 | Bottle Type:<br>BP-1L          | # of Bottles: 6 | Preservative:<br>ICE           | Enter Number of Bottles Sent to Lab | 5 |
| CHLSUITE-W                               |                                |                 |                                |                                     |   |
| Group: A                                 | Bottle Type:<br>P-250ML-WO-THI | # of Bottles: 6 | Preservative:<br>ICE           | Enter Number of Bottles Sent to Lab | 5 |
| ECOLI-18QT                               |                                |                 |                                |                                     |   |
| Group: A                                 | Bottle Type:<br>P-500ML        | # of Bottles: 6 | Preservative:<br>ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 5 |
| W-NH3                                    |                                |                 |                                |                                     |   |
| W-NO2NO3                                 |                                |                 |                                |                                     |   |
| W-S-A-TP                                 |                                |                 |                                |                                     |   |
| W-TKN                                    |                                |                 |                                |                                     |   |
| W-TOC                                    |                                |                 |                                |                                     |   |
| H2SO4<br>LOT# 9A8085170<br>EXP: 03/26/19 |                                |                 |                                |                                     |   |
| Group: A                                 | Bottle Type:<br>P-125ML        | # of Bottles: 6 | Preservative:<br>FILTER-ICE    | Enter Number of Bottles Sent to Lab | 5 |
| W-PO4-F                                  |                                |                 |                                |                                     |   |
| Group: B                                 | Bottle Type:<br>P-500ML        | # of Bottles: 4 | Preservative:<br>HNO3          | Enter Number of Bottles Sent to Lab | 3 |
| W-ICP                                    |                                |                 |                                |                                     |   |
| W-ICPMS                                  |                                |                 |                                |                                     |   |
| Group: C                                 | Bottle Type:<br>PT-50ML        | # of Bottles: 3 | Preservative:<br>ICE           | Enter Number of Bottles Sent to Lab | 2 |
| ALGAL_ID                                 |                                |                 |                                |                                     |   |

Lot# NA-7261120 Exp Date 9/18/18

Printed: 4/9/2018 12:01:03 PM

Page 1 of 2

Date of Request: 09-APR-2018  
 Created By: MUSSON\_C On: 09-APR-2018  
 Modified By: MUSSON\_C On: 09-APR-2018  
 Customer: WAS-SECT  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District:  
 Sampling Event: Ocklocknee, Burnt Mill, Lewis

**Send Coolers To:**

Phone: 850-245-8453  
 2600 Blair Stone Rd  
 Tallahassee, FL 32399  
 Attn: Curtis Musson

**Program Module Number:**

Priority: 3  
 Event Status: P  
 Criminal Investigation: NO

Chemistry Request Reviewed By:

Biology Request Reviewed By:

Sampling Kit Required: NO Ship on:

Sampling Kit Shipped:

Sampling Kit Packed By:

Preservatives Needed: NO

Date to Receive Samples: 17-MAY-2018

Received By:

**Send Final Report To:**

2600 Blair Stone Rd  
 Tallahassee, FL 32399  
 Attn: Curtis Musson

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: Group A: Freshwater Kit, E.coli  
 Group B: Metals  
 Group C: Algal ID

Labels ONLY, We have the bottles.

**Bottle Group A (Water) With 6 Samples:**

| Bottle Type:                                                                          | Number of Bottles: | Preserved With:                                                                                              |
|---------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|
| ALKALINITY<br>Total Alkalinity                                                        | Template: DEFAULT  | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                  |
| CHLSUITE-W<br>Chlorophyll-a, Corrected<br>Chlorophyll-a, Uncorrected<br>Phaeophytin-a | Template: DEFAULT  | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| ECOLI-18QT<br>Escherichia Coli-Quanti-Tray                                            | Template: DEFAULT  | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems     |
| TURBIDITY<br>Turbidity                                                                | Template: DEFAULT  | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC<br>Chloride                                                                   | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR<br>Color (true)                                                               | Template: DEFAULT  | (SM 2120 B) True Color measured at 450 nm                                                                    |
| W-F<br>Fluoride                                                                       | Template: DEFAULT  | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)         |
| W-NH3<br>Ammonia-N                                                                    | Template: DEFAULT  | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO2NO3<br>NO2NO3-N                                                                  | Template: DEFAULT  | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-PO4-F                                                                               | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |

**Bottle Group A (Water) With 6 Samples:**

Bottle Type: ECOLI-18QT      Number of Bottles: 6      Preserved With: ICE  
 Template: DEFAULT      (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Escherichia Coli-Quanti-Tray

Bottle Type: P-500ML      Number of Bottles: 6      Preserved With: ICE And H2SO4  
 W-NH3      Template: DEFAULT      (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L  
 Ammonia-N  
 W-NO2NO3      Template: DEFAULT      (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  
 NO2NO3-N  
 W-S-A-TP      Template: DEFAULT      (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L  
 Total-P  
 W-TKN      Template: DEFAULT      (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices  
 Kjeldahl Nitrogen  
 W-TOC      Template: DEFAULT      (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices  
 Organic Carbon

Bottle Type: P-125ML      Number of Bottles: 6      Preserved With: FILTER-ICE  
 W-PO4-F      Template: DEFAULT      (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L  
 O-Phosphate-P

**Bottle Group B (Water) With 4 Samples:**

Bottle Type: P-500ML      Number of Bottles: 4      Preserved With: HNO3  
 W-ICP      Template:      (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Calcium  
 Chromium  
 Iron  
 Magnesium  
 Nickel  
 Potassium  
 Sodium  
 Zinc

W-ICPMS      Template:      (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Arsenic  
 Cadmium  
 Copper  
 Lead  
 Silver

**Bottle Group C (Biological) With 3 Samples:**

Bottle Type: PT-50ML      Number of Bottles: 3      Preserved With: ICE  
 ALGAL\_ID      Template: DEFAULT      (SOP-AB05) Qualitative assessment of algal taxa present without counts  
 \*Dominant sample taxon

\* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.