

# Log-in Checklist

RQ- 2019-09-09-30

Login Station ID: #5

Shipping Method: FedEx | UPS (HD) | Greyhound

Date/Time of Receipt: 9/ 11 /19 @ 15:52

| Cooler Temperature* | Samples Frozen | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking #<br>Damaged waybills only |
|---------------------|----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------|
|                     |                |                                        |          |                                       | Present?      |    | *Intact? |    |                                     |
|                     | YES            | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                                     |
| 9.1                 |                |                                        |          | 21                                    |               | ✓  |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |

\* HNO<sub>3</sub> and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation. An NCR still is required.**

\*\*Chain of Custody/ Field Sheet(s) Included? Yes ✓ No       

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes        No ✓

**\*\*Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

## CONTAINER CHECK

\*\*Evidence Tape on Bottles? Yes        No ✓ If yes, is it intact? Yes        No       

\*\*Caps on tight? Yes ✓ No        \*\*Containers intact? Yes ✓ No       

\*\*Sufficient Sample Volume: Yes ✓ No       

## CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes        No ✓ Init: KK

Chlorine detected? (One container checked per Field ID)

Yes        No        Init:       

If "YES", list affected Field IDs and Test IDs below.

| Field ID | List TestID(s) where Chlorine was Detected, an NCR is required. |
|----------|-----------------------------------------------------------------|
|          |                                                                 |
|          |                                                                 |
|          |                                                                 |
|          |                                                                 |

## PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No        NA        Init: KK

\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes        No        NA ✓ Init: KK

Coolers Unpacked/Checked by: KK Date: 9/ 11 /19

NCRs (Y/N)? N

Event ID: Merri's Mill Pond BMAP  
WAS-SECT-2019-09-11-01 (BMAP)  
 Date Received: 11-SEP-2019 15:52

NCR #

# Log-in Checklist

## Samples with Incorrect pH Preservation

| Field ID | Bottle Test ID(s) | pH | Action Taken |
|----------|-------------------|----|--------------|
|          |                   |    |              |
|          |                   |    |              |
|          |                   |    |              |

## Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |

## Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

## Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |

## Additional Comments:

|                            |                          |
|----------------------------|--------------------------|
| Infrared Thermometer ID:   | REC_07_2018 EXP:12/28/19 |
| pH Test Strips 0 – 6 Lot # |                          |
| pH Paper 0 – 3 Lot #       | 220416A EXP:7/30/20      |
| pH Paper 0 – 13 Lot #      | 222516 EXP:9/15/19       |
| Chlorine Test Strips Lot # | 091417V EXP:9/2021       |

## ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes \_\_\_\_\_ No X

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ If No \_\_\_\_\_

no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

## FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

Merritt's Mill Pond BMAP

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Curtis Musson

Project ID: BMAP

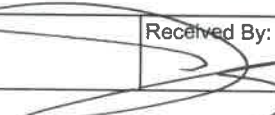
Collected By:

Curtis Musson

Sampling Agency:

FDEP

|              |                                                                       |                                                                                                         |                                                                           |                                                            |                       |                                                                            |                                 |   |
|--------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------|---------------------------------|---|
| Location     |                                                                       | WIN ID / FILED ID →    | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9-11-19 Time 9:53  | Eastern<br>Central    | Composite end<br>Date — Time —                                             | Bottle Group(s)<br>(See pg 2)   |   |
| Field ID     | G2WA0009                                                              |                                                                                                         | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |                                                            | Diss. Oxygen<br>145.1 | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) — |   |
| WIN/STORET # | Location Merritt's Mill Pond 500 meters upstream of dam               |                                                                                                         | Temp (C) 28.1                                                             | pH 7.94                                                    | Sample Depth 0.3      | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance (umho/cm) 250.9 |   |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms           | Longitude                                                                                               | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) 0.12                                        | Comments              |                                                                            |                                 | A |
| Location     |                                                                       | WIN ID / FILED ID →    | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9-11-19 Time 11:28 | Eastern<br>Central    | Composite end<br>Date — Time —                                             | Bottle Group(s)                 |   |
| Field ID     | G2WA0007                                                              |                                                                                                         | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |                                                            | Diss. Oxygen<br>77.9  | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) — |   |
| WIN/STORET # | Location Merritt's Mill Pond 600 meters downstream of Jackson Blue Sp |                                                                                                         | Temp (C) 21.2                                                             | pH 8.00                                                    | Sample Depth 0.3      | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance (umho/cm) 272.8 |   |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms           | Longitude                                                                                               | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) 0.13                                        | Comments              |                                                                            |                                 | A |
| Location     |                                                                       | WIN ID / FILED ID →    | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9-11-19 Time 10:08 | Eastern<br>Central    | Composite end<br>Date — Time —                                             | Bottle Group(s)                 |   |
| Field ID     | G2WA0008                                                              |                                                                                                         | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |                                                            | Diss. Oxygen<br>134.5 | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) — |   |
| WIN/STORET # | Location Merritt's Mill Pond mid under powerlines                     |                                                                                                         | Temp (C) 26.2                                                             | pH 7.99                                                    | Sample Depth 0.3      | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance (umho/cm) 259.3 |   |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms           | Longitude                                                                                               | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) 0.12                                        | Comments              |                                                                            |                                 | A |
| Location     |                                                                       | WIN ID / FILED ID →  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9-11-19 Time 10:08 | Eastern<br>Central    | Composite end<br>Date — Time —                                             | Bottle Group(s)                 |   |
| Field ID     | G2WA0008                                                              |                                                                                                         | Matrix (type, e.g., Salt, Fresh, etc)<br>Biological                       |                                                            | Diss. Oxygen<br>—     | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L) — |   |
| WIN/STORET # | Location Merritt's Mill Pond mid under powerlines                     |                                                                                                         | Temp (C) —                                                                | pH —                                                       | Sample Depth —        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance (umho/cm) —     |   |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms           | Longitude                                                                                               | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) —                                           | Comments              |                                                                            |                                 | B |

|                                   |                           |                             |                                 |                                                                                                       |                           |
|-----------------------------------|---------------------------|-----------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------|
| Relinquished By:<br>Curtis Musson | Date/Time<br>9-11-19/3:52 | Shipping Method<br>Drop off | Number of Coolers Shipped.<br>1 | Received By:<br> | Date/Time<br>9/11/19 1552 |
|-----------------------------------|---------------------------|-----------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------|

|          |              |         |                 |               |               |                                           |
|----------|--------------|---------|-----------------|---------------|---------------|-------------------------------------------|
| Group: A | Bottle Type: | P-1L    | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | ALKALINITY   |         |                 |               |               |                                           |
|          | TURBIDITY    |         |                 |               |               |                                           |
|          | W-CL-IC      |         |                 |               |               |                                           |
|          | W-COLOR      |         |                 |               |               |                                           |
|          | W-F          |         |                 |               |               |                                           |
|          | W-SO4-IC     |         |                 |               |               |                                           |
|          | W-TDS        |         |                 |               |               |                                           |
|          | W-TSS        |         |                 |               |               |                                           |
| Group: A | Bottle Type: | BP-1L   | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | CHLSUITE-W   |         |                 |               |               |                                           |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 4 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab _____ |
|          | W-ICP        |         |                 |               |               |                                           |
|          | W-ICPMS      |         |                 |               |               |                                           |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 4 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab _____ |
|          | W-NH3        |         |                 |               |               |                                           |
|          | W-NO2NO3     |         |                 |               |               |                                           |
|          | W-S-A-TP     |         |                 |               |               |                                           |
|          | W-TKN        |         |                 |               |               |                                           |
|          | W-TOC        |         |                 |               |               |                                           |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 4 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab _____ |
|          | W-PO4-F      |         |                 |               |               |                                           |
| Group: B | Bottle Type: | PT-50ML | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | ALGAL_ID     |         |                 |               |               |                                           |

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Curtis Musson

Project ID: BMAP

Collected By: Curtis MussonSampling Agency: FDED

|              |                                                             |                                                                                                                      |                                                             |                                                                           |                                                                          |                                                        |                                              |                                           |
|--------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------|-------------------------------------------|
| Location     |                                                             | WIN ID / FILED ID → <br>G2WA0022    |                                                             | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>9-11-19</u> Time <u>11:44</u> | Eastern<br><input checked="" type="checkbox"/> Central | Composite end<br>Date <u>—</u> Time <u>—</u> | Bottle Group(s)<br>(See pg 2)<br><u>A</u> |
| Field ID     |                                                             | Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                                                                |                                                             | Diss. Oxygen<br><u>82.6</u>                                               |                                                                          | mg/L<br><input type="checkbox"/> % sat                 |                                              | Total Res. Chlorine<br>(mg/L) <u>—</u>    |
| WIN/STORET # |                                                             | Location <br>SHANGRI LA SPRING Vent |                                                             | Temp (C)<br><u>20.7</u>                                                   | pH<br><u>7.84</u>                                                        | Sample Depth<br><u>0.3</u>                             | ft<br><input checked="" type="checkbox"/> m  | Sp. Conductance<br>(umho/cm) <u>287.2</u> |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                                                            | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)<br><u>0.14</u>                                             | Comments                                                                 |                                                        |                                              |                                           |

|              |                                                             |                                       |                                                             |                                                                |                                                                |                                             |                                              |                               |
|--------------|-------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------|----------------------------------------------|-------------------------------|
| Location     |                                                             | WIN ID / FILED ID                     |                                                             | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>—</u> Time <u>—</u> | Eastern<br><input type="checkbox"/> Central | Composite end<br>Date <u>—</u> Time <u>—</u> | Bottle Group(s)               |
| Field ID     |                                                             | Matrix (type, e.g., Salt, Fresh, etc) |                                                             | Diss. Oxygen                                                   |                                                                | mg/L<br><input type="checkbox"/> % sat      |                                              | Total Res. Chlorine<br>(mg/L) |
| WIN/STORET # |                                                             | Temp (C)                              |                                                             | pH                                                             | Sample Depth                                                   | ft<br><input type="checkbox"/> m            | Sp. Conductance<br>(umho/cm)                 |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                             | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                 | Comments                                                       |                                             |                                              |                               |

|              |                                                             |                                       |                                                             |                                                                |                                                                |                                             |                                              |                               |
|--------------|-------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------|----------------------------------------------|-------------------------------|
| Location     |                                                             | WIN ID / FILED ID                     |                                                             | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>—</u> Time <u>—</u> | Eastern<br><input type="checkbox"/> Central | Composite end<br>Date <u>—</u> Time <u>—</u> | Bottle Group(s)               |
| Field ID     |                                                             | Matrix (type, e.g., Salt, Fresh, etc) |                                                             | Diss. Oxygen                                                   |                                                                | mg/L<br><input type="checkbox"/> % sat      |                                              | Total Res. Chlorine<br>(mg/L) |
| WIN/STORET # |                                                             | Temp (C)                              |                                                             | pH                                                             | Sample Depth                                                   | ft<br><input type="checkbox"/> m            | Sp. Conductance<br>(umho/cm)                 |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                             | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                 | Comments                                                       |                                             |                                              |                               |

|              |                                                             |                                       |                                                             |                                                                |                                                                |                                             |                                              |                               |
|--------------|-------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------|----------------------------------------------|-------------------------------|
| Location     |                                                             | WIN ID / FILED ID                     |                                                             | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>—</u> Time <u>—</u> | Eastern<br><input type="checkbox"/> Central | Composite end<br>Date <u>—</u> Time <u>—</u> | Bottle Group(s)               |
| Field ID     |                                                             | Matrix (type, e.g., Salt, Fresh, etc) |                                                             | Diss. Oxygen                                                   |                                                                | mg/L<br><input type="checkbox"/> % sat      |                                              | Total Res. Chlorine<br>(mg/L) |
| WIN/STORET # |                                                             | Temp (C)                              |                                                             | pH                                                             | Sample Depth                                                   | ft<br><input type="checkbox"/> m            | Sp. Conductance<br>(umho/cm)                 |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                             | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                 | Comments                                                       |                                             |                                              |                               |

|                  |           |                 |                            |                        |                                  |
|------------------|-----------|-----------------|----------------------------|------------------------|----------------------------------|
| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: <u>HK</u> | Date/Time <u>9-11-19 / 1518Z</u> |
|------------------|-----------|-----------------|----------------------------|------------------------|----------------------------------|

|          |              |         |                 |               |               |                                           |
|----------|--------------|---------|-----------------|---------------|---------------|-------------------------------------------|
| Group: A | Bottle Type: | P-1L    | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | ALKALINITY   |         |                 |               |               |                                           |
|          | TURBIDITY    |         |                 |               |               |                                           |
|          | W-CL-IC      |         |                 |               |               |                                           |
|          | W-COLOR      |         |                 |               |               |                                           |
|          | W-F          |         |                 |               |               |                                           |
|          | W-SO4-IC     |         |                 |               |               |                                           |
|          | W-TDS        |         |                 |               |               |                                           |
|          | W-TSS        |         |                 |               |               |                                           |
| Group: A | Bottle Type: | BP-1L   | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | CHLSUITE-W   |         |                 |               |               |                                           |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 4 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab _____ |
|          | W-ICP        |         |                 |               |               |                                           |
|          | W-ICPMS      |         |                 |               |               |                                           |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 4 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab _____ |
|          | W-NH3        |         |                 |               |               |                                           |
|          | W-NO2NO3     |         |                 |               |               |                                           |
|          | W-S-A-TP     |         |                 |               |               |                                           |
|          | W-TKN        |         |                 |               |               |                                           |
|          | W-TOC        |         |                 |               |               |                                           |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 4 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab _____ |
|          | W-PO4-F      |         |                 |               |               |                                           |
| Group: B | Bottle Type: | PT-50ML | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | ALGAL_ID     |         |                 |               |               |                                           |

Date of Request: 19-AUG-2019  
 Created By: MUSSON\_C On: 19-AUG-2019  
 Modified By: JASROTIA\_P On: 21-AUG-2019  
 Customer: WAS-SECT  
 Project: BMAP  
 Division:  
 District:  
 Sampling Event: Merrit's Mill Pond BMAP

**Send Coolers To:**

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

Program Module Number:

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 21-AUG-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 21-AUG-2019  
 Sampling Kit Required: YES Ship on: 06-SEP-2019  
 Sampling Kit Shipped: YES On: 03-SEP-2019  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: YES  
 Date to Receive Samples: 11-SEP-2019  
 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: Nutrients, Metals x4  
 Group B: Algal\_ID x1

Packing Notes:  
 No Fedex Labels  
 No Trash Bags

1 - case of nitric acid/2 sets of labels

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

|                       |                      |                                                                                                                                                |
|-----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L     | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| ALKALINITY            | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                                       |
| TURBIDITY             | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC               | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR               | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                                                      |
| Color (true)          |                      |                                                                                                                                                |
| W-F                   | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| W-SO <sub>4</sub> -IC | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                 | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| W-TSS                 | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                  |
| Bottle Type: BP-1L    | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W            | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-500ML  | Number of Bottles: 4 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| 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 |
| Barium                |                      |                                                                                                                                                |
| Calcium               |                      |                                                                                                                                                |
| Iron                  |                      |                                                                                                                                                |
| Magnesium             |                      |                                                                                                                                                |
| Potassium             |                      |                                                                                                                                                |
| Sodium                |                      |                                                                                                                                                |

**Bottle Group A (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 |
| 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                    |
| *Boron               |                      |                                                                                                                                                |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 4 | Preserved With: ICE And H2SO4                                                            |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                               |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                       |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                      |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                           |
| Bottle Type: P-125ML | Number of Bottles: 4 | 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 |

**Bottle Group B (Biological) With 1 Samples:**

|                      |                      |                                                                        |
|----------------------|----------------------|------------------------------------------------------------------------|
| Bottle Type: PT-50ML | Number of Bottles: 1 | Preserved With: ICE                                                    |
| ALGAL_ID             | Template: DEFAULT    | (SOP-AB05) Qualitative assessment of algal taxa present without counts |

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

**Cooler Packing Worksheet for Request: RQ-2019-09-09-30****Merrit's Mill Pond BMAP****Ship Cooler On: 9/6/2019****Customer/Project: WAS-SECT/BMAP**

Assigned To: KLUG\_K

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

**Comments:**

Group A: Nutrients, Metals x4

Group B: Algal\_ID x1

**Packing Notes:**

No Fedex Labels

No Trash Bags

1 - case of nitric acid/2 sets of labels

**Requested Analyses:****Bottle Group: A****# of Sites: 4****Container ID: P-1L****Qty: 4****Preservation: ICE****Lot #** 00074723**Description: Plastic Bottle 1L****Analysis**

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

**Container ID: BP-1L****Qty: 4****Preservation: ICE****Lot #** 1259820**Description: Brown Plastic Bottle 1L****Analysis**

CHLSUITE-W

**Description**

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML

Qty: 4 Preservation: HNO3

Lot # 00074433

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

**Analysis**

W-ICP

W-ICPMS

**Description**

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 4 Preservation: ICE And H2SO4

Lot # 00074433

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 4 Preservation: FILTER-ICE

Lot # 00072954

Description: Plastic Bottle 125 mL

**Analysis**

W-PO4-F

**Description**

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

**Bottle Group: B**

**# of Sites: 1**

Container ID: PT-50ML

Qty: 1 Preservation: ICE

Lot # 08018009

Description: Plastic Tube 50 mL

**Analysis**

ALGAL\_ID

**Description**

Qualitative assessment of algal taxa present without counts

Cooler Packed By: KR

Number of Coolers: 1

Date: 9.3.19

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 <u>Nitric Acid</u> | Exp <u>7.8.20</u> | Lot # <u>NA9189080</u> |
| ID _____              | Exp _____         | Lot # _____            |
| ID _____              | Exp _____         | Lot # _____            |
| ID _____              | Exp _____         | Lot # _____            |
| ID _____              | Exp _____         | Lot # _____            |

**PLEASE RETURN ALL COOLERS FOR RQ-2019-09-09-30**