

Date of Request: 06-MAY-2019  
 Created By: MUSSON\_C On: 06-MAY-2019  
 Modified By: MUSSON\_C On: 06-MAY-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: P  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By:  
 Biology Request Reviewed By:  
 Sampling Kit Required: YES Ship on: 27-MAY-2019  
 Sampling Kit Shipped:  
 Sampling Kit Packed By:  
 Preservatives Needed: NO  
 Date to Receive Samples: 12-JUN-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 x3  
 Group B: Algal\_ID x1  
  
 Group C: QC Blank  
 Nutrient, Metals  
  
 Group D: QC DUP  
 Nutrients, Metals  
  
 Packing Notes:  
 No Fedex Labels  
 No Trash Bags

**Bottle Group A (Water) With 3 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                                   |
| 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-ICP<br>Barium                                                                       | Template:          | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |

**Bottle Group A (Water) With 3 Samples:**

| Bottle Type:      | Number of Bottles: | Preserved With:                                                                                                                                |
|-------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 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           |                    |                                                                                                                                                |
| Iron              |                    |                                                                                                                                                |
| Magnesium         |                    |                                                                                                                                                |
| 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                    |
| *Boron            |                    |                                                                                                                                                |
| Aluminum          |                    |                                                                                                                                                |
| Antimony          |                    |                                                                                                                                                |
| Arsenic           |                    |                                                                                                                                                |
| Cadmium           |                    |                                                                                                                                                |
| Chromium          |                    |                                                                                                                                                |
| Copper            |                    |                                                                                                                                                |
| Lead              |                    |                                                                                                                                                |
| Nickel            |                    |                                                                                                                                                |
| Selenium          |                    |                                                                                                                                                |
| Silver            |                    |                                                                                                                                                |
| Thallium          |                    |                                                                                                                                                |
| 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-PO4-F           | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |
| O-Phosphate-P     |                    |                                                                                                                                                |
| W-S-A-TP          | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                            |
| Total-P           |                    |                                                                                                                                                |
| W-SO4-IC          | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| Sulfate           |                    |                                                                                                                                                |
| W-TDS             | Template: DEFAULT  | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| TDS               |                    |                                                                                                                                                |
| 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    |                    |                                                                                                                                                |
| W-TSS             | Template: DEFAULT  | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                  |
| TSS               |                    |                                                                                                                                                |

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

| Bottle Type:           | Number of Bottles: | Preserved With:                                                        |
|------------------------|--------------------|------------------------------------------------------------------------|
| ALGAL_ID               | Template: DEFAULT  | (SOP-AB05) Qualitative assessment of algal taxa present without counts |
| *Dominant sample taxon |                    |                                                                        |

**Bottle Group C (Water) With 1 Samples:**

| Bottle Type:               | Number of Bottles: | Preserved With:                                                                                              |
|----------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|
| ALKALINITY                 | Template: DEFAULT  | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                  |
| Total Alkalinity           |                    |                                                                                                              |
| CHLSUITE-W                 | Template: DEFAULT  | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Chlorophyll-a, Corrected   |                    |                                                                                                              |
| Chlorophyll-a, Uncorrected |                    |                                                                                                              |
| Phaeophytin-a              |                    |                                                                                                              |
| TURBIDITY                  | Template: DEFAULT  | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| Turbidity                  |                    |                                                                                                              |
| W-CL-IC                    | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| Chloride                   |                    |                                                                                                              |
| W-COLOR                    | Template: DEFAULT  | (SM 2120 B) True Color measured at 450 nm                                                                    |

**Bottle Group C (Water) With 1 Samples:**

| Bottle Type:                                                                                                                              | Number of Bottles: | Preserved With:                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 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-ICP<br>Barium<br>Calcium<br>Iron<br>Magnesium<br>Potassium<br>Sodium<br>Zinc                                                            | Template:          | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| W-ICPMS<br>*Boron<br>Aluminum<br>Antimony<br>Arsenic<br>Cadmium<br>Chromium<br>Copper<br>Lead<br>Nickel<br>Selenium<br>Silver<br>Thallium | Template:          | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| 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<br>O-Phosphate-P                                                                                                                  | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |
| W-S-A-TP<br>Total-P                                                                                                                       | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                            |
| W-SO4-IC<br>Sulfate                                                                                                                       | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS<br>TDS                                                                                                                              | Template: DEFAULT  | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| W-TKN<br>Kjeldahl Nitrogen                                                                                                                | Template: DEFAULT  | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                               |
| W-TOC<br>Organic Carbon                                                                                                                   | Template: DEFAULT  | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                                 |
| W-TSS<br>TSS                                                                                                                              | Template: DEFAULT  | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                  |

**Bottle Group D (Water) With 1 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 |
| 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                                                            |

**Bottle Group D (Water) With 1 Samples:**

| Bottle Type:                                                                                                                              | Number of Bottles: | Preserved With:                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 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-ICP<br>Barium<br>Calcium<br>Iron<br>Magnesium<br>Potassium<br>Sodium<br>Zinc                                                            | Template:          | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| W-ICPMS<br>*Boron<br>Aluminum<br>Antimony<br>Arsenic<br>Cadmium<br>Chromium<br>Copper<br>Lead<br>Nickel<br>Selenium<br>Silver<br>Thallium | Template:          | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| 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<br>O-Phosphate-P                                                                                                                  | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |
| W-S-A-TP<br>Total-P                                                                                                                       | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                            |
| W-SO4-IC<br>Sulfate                                                                                                                       | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS<br>TDS                                                                                                                              | Template: DEFAULT  | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| W-TKN<br>Kjeldahl Nitrogen                                                                                                                | Template: DEFAULT  | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                               |
| W-TOC<br>Organic Carbon                                                                                                                   | Template: DEFAULT  | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                                 |
| W-TSS<br>TSS                                                                                                                              | Template: DEFAULT  | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                  |

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