

Merritt's Mill Pond

## Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Curtis Mussen

Project ID: BMAP

Collected By:

Curtis Mussen, Ben Ralys

Sampling Agency:

FDEP

|                                                                               |                                                                        |                                                                           |                                                                        |                                                                                 |                                     |                               |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------|-------------------------------|
| Location<br>Merritt's Mill Pond 600 Meters downstream of Jackson Blue Springs |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6-15-2016 Time 0945            | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time       | Bottle Group(s)<br>(See pg 2) |
| Field ID<br>G2WA0007                                                          | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                         | Diss. Oxygen<br>8.25                                                      |                                                                        | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)       | A, C                          |
| STORET #<br>G2WA0007                                                          | Temp (C)<br>20.66                                                      | pH<br>7.42                                                                | Sample Depth<br>0.3                                                    | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m            | Sp. Conductance<br>(umho/cm)<br>275 |                               |
| Latitude<br>30.787                                                            | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br>-85.1459                                                     | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)<br>0.13                                                          | Comments<br>BMAP - Algae Collected  |                               |
| Location<br>Merritt's Mill Pond 500 Meters upstream of dam                    |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6-15-2016 Time 1025            | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time       | Bottle Group(s)               |
| Field ID<br>G2WA0009                                                          | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                         | Diss. Oxygen<br>10.12                                                     |                                                                        | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)       | A                             |
| STORET #<br>G2WA0009                                                          | Temp (C)<br>26.94                                                      | pH<br>7.92                                                                | Sample Depth<br>0.3                                                    | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m            | Sp. Conductance<br>(umho/cm)<br>271 |                               |
| Latitude<br>30.755                                                            | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br>-85.1881                                                     | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)<br>0.13                                                          | Comments                            |                               |
| Location<br>Merritt's Mill Pond mid Under Powerlines                          |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6-15-2016 Time 1055            | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time       | Bottle Group(s)               |
| Field ID<br>G2WA0008                                                          | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                         | Diss. Oxygen<br>9.02                                                      |                                                                        | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)       | A, D, CM                      |
| STORET #<br>G2WA0008                                                          | Temp (C)<br>24.97                                                      | pH<br>7.76                                                                | Sample Depth<br>0.3                                                    | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m            | Sp. Conductance<br>(umho/cm)<br>279 |                               |
| Latitude<br>30.7698                                                           | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br>-85.1731                                                     | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)<br>0.13                                                          | Comments<br>Sample and CM           |                               |
| Location<br>Merritt's Mill Pond mid Under Powerlines                          |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6-15-16 Time 1055              | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time       | Bottle Group(s)               |
| Field ID<br>G2WA0008 D                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                         | Diss. Oxygen<br>9.02                                                      |                                                                        | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)       | D                             |
| STORET #<br>G2WA0008                                                          | Temp (C)<br>24.97                                                      | pH<br>7.76                                                                | Sample Depth<br>0.3                                                    | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m            | Sp. Conductance<br>(umho/cm)<br>279 |                               |
| Latitude<br>30.7698                                                           | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br>-85.1731                                                     | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)<br>0.13                                                          | Comments<br>Duplicate               |                               |

|                                   |                        |                             |                                 |                    |                           |
|-----------------------------------|------------------------|-----------------------------|---------------------------------|--------------------|---------------------------|
| Relinquished By:<br>Curtis Mussen | Date/Time<br>5/15/2016 | Shipping Method<br>Drop off | Number of Coolers Shipped:<br>2 | Received By:<br>SK | Date/Time<br>6-15-16/4/16 |
|-----------------------------------|------------------------|-----------------------------|---------------------------------|--------------------|---------------------------|

|          |                                                                        |         |                 |               |               |                                     |   |
|----------|------------------------------------------------------------------------|---------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type:                                                           | P-1L    | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 3 |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-TDS<br>W-TSS |         |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                           | P-1L    | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 3 |
|          | BOD-UNIN                                                               |         |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                           | BP-1L   | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 3 |
|          | CHLSUITE-W                                                             |         |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                           | P-500ML | # of Bottles: 3 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 3 |
|          | W-ICP<br>W-ICPMS                                                       |         |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                           | P-500ML | # of Bottles: 3 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 3 |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                        |         |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                           | P-125ML | # of Bottles: 3 | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab | 3 |
|          | W-PO4-F                                                                |         |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                           | P-1L    | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-TDS<br>W-TSS |         |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                           | P-1L    | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | BOD-UNIN                                                               |         |                 |               |               |                                     |   |

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last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: \_\_\_\_\_

Project ID: BMAP

Collected By: \_\_\_\_\_

Sampling Agency: \_\_\_\_\_

|                                         |  |                                                                |                                                                          |                                                             |                                                                 |                                        |  |                                                  |  |
|-----------------------------------------|--|----------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------|--|--------------------------------------------------|--|
| Location                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>6-15-16</u> Time <u>15:47</u> |                                                             | Eastern<br>Central                                              | Composite end<br>Date _____ Time _____ |  | Bottle<br>Group(s)<br>(See pg 2)<br><br><u>B</u> |  |
| Field ID<br><u>G2WA0008 B</u>           |  | Matrix (type, e.g., Salt, Fresh, etc)<br><u>DI</u>             |                                                                          | Diss. Oxygen                                                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)          |  |                                                  |  |
| STORET #                                |  | Temp<br>(C)                                                    | pH                                                                       | Sample<br>Depth                                             | <input type="checkbox"/> ft<br><input type="checkbox"/> m       | Sp. Conductance<br>(umho/cm)           |  |                                                  |  |
| Latitude<br><u>Blank</u>                |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms    | Longitude<br><u>Blank</u>                                                | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity<br>(ppt)                                               |                                        |  |                                                  |  |
| Comments<br><u>TRF Blank - DI water</u> |  |                                                                |                                                                          |                                                             |                                                                 |                                        |  |                                                  |  |
| Location                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date _____ Time _____                 |                                                             | Eastern<br>Central                                              | Composite end<br>Date _____ Time _____ |  | Bottle<br>Group(s)                               |  |
| Field ID                                |  | Matrix (type, e.g., Salt, Fresh, etc)                          |                                                                          | Diss. Oxygen                                                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)          |  |                                                  |  |
| STORET #                                |  | Temp<br>(C)                                                    | pH                                                                       | Sample<br>Depth                                             | <input type="checkbox"/> 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<br>(ppt)                                               |                                        |  |                                                  |  |
| Comments                                |  |                                                                |                                                                          |                                                             |                                                                 |                                        |  |                                                  |  |
| Location                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date _____ Time _____                 |                                                             | Eastern<br>Central                                              | Composite end<br>Date _____ Time _____ |  | Bottle<br>Group(s)                               |  |
| Field ID                                |  | Matrix (type, e.g., Salt, Fresh, etc)                          |                                                                          | Diss. Oxygen                                                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)          |  |                                                  |  |
| STORET #                                |  | Temp<br>(C)                                                    | pH                                                                       | Sample<br>Depth                                             | <input type="checkbox"/> 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<br>(ppt)                                               |                                        |  |                                                  |  |
| Comments                                |  |                                                                |                                                                          |                                                             |                                                                 |                                        |  |                                                  |  |
| Location                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date _____ Time _____                 |                                                             | Eastern<br>Central                                              | Composite end<br>Date _____ Time _____ |  | Bottle<br>Group(s)                               |  |
| Field ID                                |  | Matrix (type, e.g., Salt, Fresh, etc)                          |                                                                          | Diss. Oxygen                                                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)          |  |                                                  |  |
| STORET #                                |  | Temp<br>(C)                                                    | pH                                                                       | Sample<br>Depth                                             | <input type="checkbox"/> 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<br>(ppt)                                               |                                        |  |                                                  |  |
| Comments                                |  |                                                                |                                                                          |                                                             |                                                                 |                                        |  |                                                  |  |

|                        |                 |                       |                                  |                        |                               |
|------------------------|-----------------|-----------------------|----------------------------------|------------------------|-------------------------------|
| Relinquished By: _____ | Date/Time _____ | Shipping Method _____ | Number of Coolers Shipped: _____ | Received By: <u>SK</u> | Date/Time <u>6-15-16/4:16</u> |
|------------------------|-----------------|-----------------------|----------------------------------|------------------------|-------------------------------|

|            |              |         |                 |               |               |                                     |
|------------|--------------|---------|-----------------|---------------|---------------|-------------------------------------|
| Group: A   | Bottle Type: | P-1L    | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
| ALKALINITY |              |         |                 |               |               |                                     |
| TURBIDITY  |              |         |                 |               |               |                                     |
| W-CL-IC    |              |         |                 |               |               |                                     |
| W-COLOR    |              |         |                 |               |               |                                     |
| W-F        |              |         |                 |               |               |                                     |
| W-TDS      |              |         |                 |               |               |                                     |
| W-TSS      |              |         |                 |               |               |                                     |
| Group: A   | Bottle Type: | P-1L    | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
| BOD-UNIN   |              |         |                 |               |               |                                     |
| Group: A   | Bottle Type: | BP-1L   | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
| CHLSUITE-W |              |         |                 |               |               |                                     |
| Group: A   | Bottle Type: | P-500ML | # of Bottles: 3 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab |
| W-ICP      |              |         |                 |               |               |                                     |
| W-ICPMS    |              |         |                 |               |               |                                     |
| Group: A   | Bottle Type: | P-500ML | # of Bottles: 3 | 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: 3 | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab |
| W-PO4-F    |              |         |                 |               |               |                                     |
| Group: B   | Bottle Type: | P-1L    | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
| ALKALINITY |              |         |                 |               |               |                                     |
| TURBIDITY  |              |         |                 |               |               |                                     |
| W-CL-IC    |              |         |                 |               |               |                                     |
| W-COLOR    |              |         |                 |               |               |                                     |
| W-F        |              |         |                 |               |               |                                     |
| W-TDS      |              |         |                 |               |               |                                     |
| W-TSS      |              |         |                 |               |               |                                     |
| Group: B   | Bottle Type: | P-1L    | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
| BOD-UNIN   |              |         |                 |               |               |                                     |

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

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|          |              |         |                 |                             |                                     |          |
|----------|--------------|---------|-----------------|-----------------------------|-------------------------------------|----------|
| Group: D | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <u>1</u> |
|          | W-NO2NO3     |         |                 |                             |                                     |          |
|          | W-S-A-TP     |         |                 |                             |                                     |          |
|          | W-TKN        |         |                 |                             |                                     |          |
|          | W-TOC        |         |                 |                             |                                     |          |

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|          |              |         |                 |                        |                                     |          |
|----------|--------------|---------|-----------------|------------------------|-------------------------------------|----------|
| Group: D | Bottle Type: | P-125ML | # of Bottles: 1 | Preservative: ICE-FLTR | Enter Number of Bottles Sent to Lab | <u>1</u> |
|          | W-PO4-F      |         |                 |                        |                                     |          |

Printed: 6/15/2016 4:19:40 PM

Page 1 of 3

Date of Request: 31-MAY-2016  
 Created By: RALYS\_B On: 31-MAY-2016  
 Modified By: WHITE\_R On: 03-JUN-2016  
 Customer: WQAP  
 Project: BMAP  
 Division:  
 District:  
 Sampling Event: Merritt's Mill Pond

**Send Coolers To:**

Phone: 850-245-8443  
 2600 Blair Stone Rd  
 MS #3560  
 Tallahassee, FL 32399-2400  
 Attn: Benjamin Ralys

Program Module Number:  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 03-JUN-2016  
 Biology Request Reviewed By: WHITE\_R On: 03-JUN-2016  
 Sampling Kit Required: YES Ship on: 08-JUN-2016  
 Sampling Kit Shipped: YES On: 10-JUN-2016  
 Sampling Kit Packed By: BOWDEN\_M  
 Preservatives Needed: YES  
 Date to Receive Samples: 15-JUN-2016  
 Received By:

**Send Final Report To:**

2600 Blair Stone Rd  
 MS #3560  
 Tallahassee, FL 32399-2400  
 Attn: Katrina Sanders

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

Comments: 1 - case of Sulfuric Acid

Bottle Group A: Freshwater chemistry including metals.  
 Bottle Group B: 1 Field Blank (Please include enough DI water for 1 field blank (freshwater chemistry including metals)  
 Bottle Group C: Algal ID  
 Bottle Group D: 1 Duplicate

BOD-UNIN removed 5/31 jhw  
 BOD-UNIN added back 6/3 jhw

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L    | Number of Bottles: 3 | 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-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                                                                                      |
| Bottle Type: P-1L    | Number of Bottles: 3 | Preserved With: ICE                                                                                                                            |
| BOD-UNIN             | Template: DEFAULT    | (SM 5210 B) BOD, NOT nitrogen-inhibited                                                                                                        |
| Bottle Type: BP-1L   | Number of Bottles: 3 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W           | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry                             |
| Bottle Type: P-500ML | Number of Bottles: 3 | 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 |
| Calcium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 3 | 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 |
| 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 Type: P-500ML | Number of Bottles: 3 | 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: 3 | Preserved With: ICE-FLTR                                                                                                                       |
| 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 (Water) With 1 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | 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 Type: P-500ML | Number of Bottles: 1 | 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: 1 | Preserved With: ICE-FLTR                                                                                                                       |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |
| Bottle Type: P-1L    | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ALKALINITY           | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/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-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                                                                                      |
| Bottle Type: P-1L    | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| BOD-UNIN             | Template: DEFAULT    | (SM 5210 B) BOD, NOT nitrogen-inhibited                                                                                                        |
| Bottle Type: BP-1L   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |

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

|                    |                      |                                                                                                                    |
|--------------------|----------------------|--------------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 1 | Preserved With: ICE                                                                                                |
| CHLSUITE-W         | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry |

**Bottle Group C (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 |

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

|                                   |                      |                                                                                                                                                |
|-----------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | Number of Bottles: 1 | 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-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                                                                                      |
| Bottle Type: P-1L                 | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| BOD-UNIN                          | Template: DEFAULT    | (SM 5210 B) BOD, NOT nitrogen-inhibited                                                                                                        |
| Bottle Type: BP-1L                | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                        | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry                             |
| Bottle Type: P-500ML              | Number of Bottles: 1 | 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 |
| 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 Type: P-500ML              | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                                                         |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                     |
| W-NO <sub>2</sub> NO <sub>3</sub> | 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: 1 | Preserved With: ICE-FLTR                                                                                                                       |
| W-PO <sub>4</sub> -F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |

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

# Log-in Checklist

RQ- 2016-06-13-47

Shipping Method: Hand Delivery

Date/Time of Receipt: 6/15/16/416pm

| Cooler ID | Cooler Temperature* | No. Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking # (fill out only if waybill copy is damaged) |
|-----------|---------------------|---------------------------------|---------------|----|----------|----|-------------------------------------------------------|
|           |                     |                                 | Present?      |    | *Intact? |    |                                                       |
|           |                     |                                 | Yes           | No | Yes      | No |                                                       |
| Red       | 1.6°C               | 19                              |               | ✓  |          |    |                                                       |
| Red       | 2.2°C               | 12                              |               | ✓  |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |

\*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

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

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

## 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 (Blue dot on container)

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |    |               |     |    |
|------------------------------------------------------------------------------------------------------|-----|----|---------------|-----|----|
| Analysis                                                                                             | Yes | No | Analysis      | Yes | No |
| W-1,4 DIOX                                                                                           |     |    | W-PC-AA-SF    |     |    |
| W-AHERB-AA (-AHB-AA-R)                                                                               |     |    | W-PCL-SQ (-R) |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT      |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PESTNP-R    |     |    |
| W-ENDO-AA                                                                                            |     |    | W-PSCL-TQ     |     |    |
| W-GLYPH                                                                                              |     |    | W-PSNP-TQ     |     |    |
| W-NP-AA-SF                                                                                           |     |    | W-PST-CL-R    |     |    |
| W-PAH (-R)                                                                                           |     |    | W-TR-TQ       |     |    |
| W-PCB-R                                                                                              |     |    |               |     |    |

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

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: FLW

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

Coolers Unpacked/Checked by: RLW Date: 6/15/16 NCRs (Y/N)? N

Event ID: WQAP.2016-06-15-02 NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | 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 |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## ENCORE SAMPLES

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

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

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

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

If 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: \_\_\_\_\_

**Additional Comments:**