

Interlachen 2

## Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: NE-DIST

Requester: Nicole Frederick

Field Report Prepared By:

P. O'Connor

Project ID: SMP

Collected By:

J. Parrish, P. O'Connor

Sampling Agency:

DEAR NED ROL

|          |                                                                                                                         |                                                                           |                                                            |                                                                                 |                                                                            |                                  |
|----------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|
| Location | Field ID:                              | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 05-04-17 Time 0930 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____                                     | Bottle Group(s)<br>(See pg 2)    |
| Field ID | G1NE007405042017                                                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br>Surface water Fresh              |                                                            | Diss. Oxygen<br>7.6                                                             | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)    |
| STORET   | Fanny Lake<br>STORET: <br>20020100     | Temp (C)<br>27.0                                                          | pH<br>5.8                                                  | Sample Depth<br>0.3                                                             | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 102 |
| Latitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                             | Longitude                                                                 | Comments<br>DO% 95.5                                       |                                                                                 |                                                                            |                                  |
| Location | Field ID:                              | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 05-04-17 Time 0955 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____                                     | Bottle Group(s)                  |
| Field ID | G1NE086305042017                                                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br>Surface water Fresh              |                                                            | Diss. Oxygen<br>6.9                                                             | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)    |
| STORET   | Gillis Pond<br>STORET: <br>G1NE0863    | Temp (C)<br>27.3                                                          | pH<br>6.5                                                  | Sample Depth<br>0.3                                                             | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 79  |
| Latitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                             | Longitude                                                                 | Comments<br>DO% 86                                         |                                                                                 |                                                                            |                                  |
| Location | Field ID:                              | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 05-04-17 Time 1035 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____                                     | Bottle Group(s)                  |
| Field ID | G1NE003905042017                                                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br>Surface water Fresh              |                                                            | Diss. Oxygen<br>6.9                                                             | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)    |
| STORET # | Cowpen Lake<br>STORET: <br>20020053    | Temp (C)<br>26.0                                                          | pH<br>6.9                                                  | Sample Depth<br>0.3                                                             | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 65  |
| Latitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                             | Longitude                                                                 | Comments<br>DO% 86.0                                       |                                                                                 |                                                                            |                                  |
| Location | Field ID:                            | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 05-04-17 Time 1110 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____                                     | Bottle Group(s)                  |
| Field ID | G1NE087005042017                                                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br>Surface water Fresh              |                                                            | Diss. Oxygen<br>6.5                                                             | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)    |
| STORET # | Galilee Lake<br>STORET: <br>G1NE0870 | Temp (C)<br>27.0                                                          | pH<br>7.6                                                  | Sample Depth<br>0.3                                                             | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 60  |
| Latitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                             | Longitude                                                                 | Comments<br>DO% 81.5                                       |                                                                                 |                                                                            |                                  |

|                  |               |                 |                            |              |              |
|------------------|---------------|-----------------|----------------------------|--------------|--------------|
| Relinquished By: | Date/Time     | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time    |
| P. O'Connor      | 05-04-17 1300 | Fed Ex          | 1                          | ATB          | 5-5-17/10:15 |

|            |                      |                 |                             |                                     |   |
|------------|----------------------|-----------------|-----------------------------|-------------------------------------|---|
| Group: A   | Bottle Type: P-1L    | # of Bottles: 4 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 4 |
| 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 | 4 |
| CHLSUITE-W |                      |                 |                             |                                     |   |
| Group: A   | Bottle Type: P-500ML | # of Bottles: 4 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 4 |
| W-NH3      |                      |                 |                             |                                     |   |
| W-NO2NO3   |                      |                 |                             |                                     |   |
| W-S-A-TP   |                      |                 |                             |                                     |   |
| W-TKN      |                      |                 |                             |                                     |   |
| W-TOC      |                      |                 |                             |                                     |   |
| Group: A   | Bottle Type: P-125ML | # of Bottles: 4 | Preservative: ICE-FLTR      | Enter Number of Bottles Sent to Lab | 4 |
| W-PO4-F    |                      |                 |                             |                                     |   |

Date of Request: 23-FEB-2017  
 Created By: FREDERIC\_N On: 23-FEB-2017  
 Modified By: MATTHEWS\_D On: 03-APR-2017  
 Customer: NE-DIST  
 Project: SMP  
 Division:  
 District: Northeast District  
 Sampling Event: Interlachen 2

**Send Coolers To:**

Phone: 904-256-1541  
 8800 Baymeadows Way W  
 Suite 100  
 Jacksonville, FL 32256-7577  
 Attn: Nicole Frederick

Program Module Number:  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 24-MAR-2017  
 Biology Request Reviewed By: MATTHEWS\_D On: 03-APR-2017  
 Sampling Kit Required: YES Ship on: 04-APR-2017  
 Sampling Kit Shipped: YES On: 05-APR-2017  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 21-APR-2017  
 Received By: SHAIK\_A On: 05-MAY-2017

**Send Final Report To:**

8800 Baymeadows Way W  
 Suite 100  
 Jacksonville, FL 32256-7577  
 Attn: Nicole Frederick

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

Comments: Group A: Freshwater Kit, No Metals

**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                                                          |
| Bottle Type: BP-1L                | Number of Bottles: 4 | 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: 4 | 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: 4 | 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                           |

# Log-in Checklist

RQ- 2017-04-17-11

Shipping Method: Fed Exp

Date/Time of Receipt: 05-05-17 <sup>10:15</sup> ~~05-05-17~~

| 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 |                                                       |
| BLUE      | 19C                 | 46                              |               | <input checked="" type="checkbox"/> |          |    | 8113 0562 4463                                        |
|           |                     |                                 |               |                                     |          |    |                                                       |
|           |                     |                                 |               |                                     |          |    |                                                       |
|           |                     |                                 |               |                                     |          |    |                                                       |
|           |                     |                                 |               |                                     |          |    |                                                       |

\*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                                                                                              |     |    | W-CT-CI-R     |     |    |

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

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

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

Coolers Unpacked/Checked by: ABD Date: 5-5-17 NCRs (Y/N)?  

Event ID: Interlachen 2 NCR #  

NE-DIST-2017-05-05-01 (SMP)

Date Received: 05-MAY-2017 10:15

## 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 |
|----------|-------------------|-----------|-------------|-------------------|--------------------------|
|          |                   |           |             |                   |                          |
|          |                   |           |             |                   |                          |
|          |                   |           |             |                   |                          |
|          |                   |           |             |                   |                          |

### 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:**