

# Login Checklist

RQ-2020-09-28-10

Login Station ID: #4

Shipping Method: FedEx UPS | HD | Greyhound

Date/Time of Receipt: 09/22/2020 @ 9:55

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |    | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                    |
| 1.2                 |                 |                                        |          | 8                                     |               | x  |          |    | 9117 6381 7780     |
| 1.0                 |                 |                                        |          | ⑨ STR                                 |               | x  |          |    | 9117 6381 7790     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO<sub>3</sub> and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes ☒ No ☐

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes ☒ No ☐

## CONTAINER CHECK

Evidence Tape on Bottles? Yes ☐ No ☐ NA ☒ Evidence Tape intact? Yes ☐ No ☐

If Criminal, photographs taken? Yes ☐ No ☐ Containers intact? Yes ☒ No ☐

Caps on tight? Yes ☒ No ☐

Sufficient Sample Volume: Yes ☒ No ☐

If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# \_\_\_\_\_

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

Yes ☐ No ☒ Init: Tulur

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☐ Init: \_\_\_\_\_

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

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

\*\*Acid Preserved Samples: pH < 2.0? Yes ☒ No ☐ NA ☐ Init: Tulur

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

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

Coolers Unpacked/Checked by: Tulur Reynolds

Date: 09/22/2020

Event contains NCRs (Y/N)? None

Event ID: Nassau North 2020  
NE-DIST-2020-09-22-01 (SMP)

Page 1 of 2, 06/1 Date Received: 22-SEP-2020 09:55

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                            |
|--------------------------|----------------------------|
| Infrared Thermometer ID: | #4 Temp Gun EXP:11/05/2020 |
| pH Test Strips 0 – 6     |                            |
| pH Paper 0 – 3           |                            |
| pH Paper 0 – 13          | 231019 EXP:11/01/2022      |
| Chlorine Test Strips     | 8261 EXP:07/2021           |

### ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ Init: \_\_\_\_\_

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 \_\_\_\_\_

**If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_**

### **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: \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 9/21/2020 **Collected By:** Jeremy Parrish, Kimberly Applebee  
**Customer:** NE-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2020-09-28-10 **Project ID:** SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL  
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

**Number of Coolers Shipped:** 2

**FIELD ID (Labels) submitted under this RQ for this collection date.**

| Site Location                                    | Field ID/WIN ID                                                                                  |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Mills Creek At Us 301/us1                        | <br>19020048   |
| Pigeon Creek @ Andrews Rd                        | <br>19010098   |
| Pigeon Creek At Us 1                             | <br>19010099 |
| Creek Draining Former Hampton Lake 100m Above Rd | <br>G4NE0292 |

RELINQUISHED BY(SIGNATURE): *Kimberly Applebee*

DATE/TIME: 9/21/20

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: *Tyler Reynolds*

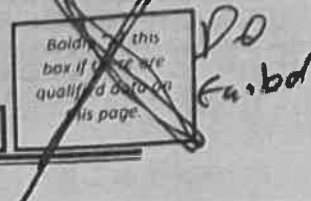
Rec'd/Inspected Date: *09/22/2020*

# CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: 5111ch

RQ: 2020-09-28-10

Project: Nassau North



- Notes: (1) Always wait for meter to stabilize before recording any readings.  
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).  
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

## Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

| DO DEP SOP FT 1500 | Name      | Date    | Time CT-ET | Temp °C | Baro-meter mmHg | D.O. Chart mg/L | Meter D.O. mg/L | % DO  | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|-----------|---------|------------|---------|-----------------|-----------------|-----------------|-------|--------------|------------|-------------|-------------|
| Calibr.            | J Parrish | 9/21/20 | 731        | 23.1    | 765             | 8.6             | 8.6             | 100.7 | -            | 1.084      | P/F         | L/F         |
| ICV                | J         | J       | 733        | 23.1    | 765             | 8.6             | 8.6             | 101   | -            | 1.084      | P/F         | L/F         |
| CCV                | J Parrish | 9/21/20 | 734        | 22.4    | 765.6           | 8.6             | 8.97            | 105.8 | -            | 1.084      | P/F         | L/F         |
| CCV                |           |         | 1545       |         |                 |                 |                 |       |              |            | P/F         | L/F         |

DO Acceptance criteria from Table  $\pm 0.3$  mg/L. Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.  
 Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

| Spec. Cond. FT 1200 | Name      | Date    | Time CT-ET | Lot #   | Expir. Date | Standard $\mu$ mhos/cm | Meter Reading $\mu$ mhos/cm | Pass / Fail | Lab / Field |
|---------------------|-----------|---------|------------|---------|-------------|------------------------|-----------------------------|-------------|-------------|
| Calibr.             | J Parrish | 9/21/20 | 737        | 200407C | 4/21        | 1000                   | 1000                        | P/F         | L/F         |
| ICV                 | J         | J       | 739        | 200407D | 4/21        | 100                    | 102.6                       | P/F         | L/F         |
| CCV                 | J Parrish | 9/21/20 | 1555       | 191025A | 11/20       | 1413                   | 1409                        | P/F         | L/F         |
| CCV                 |           |         |            |         |             |                        |                             | P/F         | L/F         |

Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name      | Date    | Time CT-ET | Lot #   | Expir. Date | pH Buffer SU | Temp °C | Meter reading SU | mV    | Pass / Fail | Lab / Field |
|--------------------|-----------|---------|------------|---------|-------------|--------------|---------|------------------|-------|-------------|-------------|
| Calibr.            | J Parrish | 9/21/20 | 740        | 2001C31 | 1/22        | 7.           | 24.0    | 7.01             | 46.0  | P/F         | L/F         |
| Calibr.            | J         | J       | 743        | 2510625 | 10/21       | 4.           | 24.0    | 4.01             | 140   | P/F         | L/F         |
| Calibr.            | J         | J       | 745        | 2002911 | 8/21        | 10.          | 23.9    | 10.01            | 24.4  | P/F         | L/F         |
| ICV                | J         | J       | 746        | 2910625 | 10/21       | 4.           | 23.8    | 7.01             | 134.4 | P/F         | L/F         |
| CCV                | J Parrish | 9/21/20 | 1559       | 2002411 | 8/21        | 10.          | 24.2    | 10.02            | 216   | P/F         | L/F         |
| CCV                |           |         |            |         |             |              |         |                  |       | P/F         | L/F         |

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range  $0 \pm 50$ ; mV pH 4 Range  $+180 \pm 50$ ; mV pH 10 Range  $-180 \pm 50$ ;  
 If mV are recorded: slope from 7 to 10 \_\_\_\_\_; slope from 4 to 7 \_\_\_\_\_ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)  
 If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: \_\_\_\_\_  
 If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: \_\_\_\_\_; Date of last verification: \_\_\_\_\_

| Depth Sensor (Daily Calibration & ICV) | Name      | Date    | Time CT-ET | Calibrated Value (0.00 or Offset), meters | ICV Value, meters | Pass / Fail | Lab / Field |
|----------------------------------------|-----------|---------|------------|-------------------------------------------|-------------------|-------------|-------------|
| Pressure mode in air                   | J Parrish | 9/21/20 | 748        | 0.00                                      | 0.00              | P/F         | L/F         |

Report two decimal places. Round numbers  $\leq 4$  down,  $\geq 5$  up. ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater.

COMMENTS:



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: Mills Creek At Us 301/us1

Date: 9/21/2020

WIN/Field ID: 19020048

WBID: 2120B

ENR:

Latitude: 30.6389

County: NASSAU

Org ID: 21FLA

Longitude: -81.8631

Receiving Body of Water: Nassau - St. Marys

RQ- 2020-09-28-10

| Sampling Team Members               |                   | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Jeremy Parrish    |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | Kimberly Applebee | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |                                     |                                     |
| <input type="checkbox"/>            |                   |                                     |                                     |                                     |                                     |                                     |
| <input type="checkbox"/>            |                   |                                     |                                     |                                     |                                     |                                     |

| Sampling Equipment                                   |                                          |
|------------------------------------------------------|------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Carboy          |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Van Dorn        |
| <input type="checkbox"/> Syringe                     | <input checked="" type="checkbox"/> Pole |
| Depth measured with: Meter                           |                                          |
| Secchi Equipment ID:                                 |                                          |
| Collection Method                                    |                                          |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak     |
| <input checked="" type="checkbox"/> From Shore       | <input type="checkbox"/> Electric Motor  |
| <input type="checkbox"/> Other                       | <input type="checkbox"/> Gasoline Motor  |

|                                                                                                                                                                                                                                                                 |            |                 |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|------------------------|
| Water Level: <input type="checkbox"/> Normal <input type="checkbox"/> Low <input checked="" type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |            | Meter ID# STICH |                        |
| Photos: No                                                                                                                                                                                                                                                      | Flow: FLOW | Tide:           | Tide Times: High: Low: |
| Biological Samples Collected: <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |            |                 |                        |
| SBIO ID Numbers:                                                                                                                                                                                                                                                |            |                 |                        |
| Notes:<br>HIGH WATER LEVEL. TOOK SAMPLE ~50M DOWNSTREAM BRIDGE.                                                                                                                                                                                                 |            |                 |                        |

## Duplicate Sample

|                      |           |               |              |
|----------------------|-----------|---------------|--------------|
| Time Zone: EST       | Time: N/A | Field ID: N/A | (WIN ID_DUP) |
| WIN DMT Activity ID: |           |               |              |

## Blank

|                |           |                   |                       |
|----------------|-----------|-------------------|-----------------------|
| Time Zone:     | Time: N/A | Field ID: N/A     | (Blank Type_DDDMMYYY) |
| DI Source: N/A |           | Location: N/A     |                       |
| DI Type: N/A   |           | Equipment ID: N/A |                       |

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)



RQ-2020-09-28-10

Customer: WQAP

Project ID: SMP

Collected By: Jeremy Parrish, Kimberly Applebee

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



19020048

Location: Mills Creek At Us 301/us1

Comments:

Failed CCV for DO% and DO mg/L

Matrix: Fresh

(Check one)

☒ GRAB☐ COMPOSITE

| Date      | Time         | DO (mg/L)   | DO (%SAT)   | Temp. (C°) | pH   | Sample Depth (m) | Secchi Disk (m)                         | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPTH) |
|-----------|--------------|-------------|-------------|------------|------|------------------|-----------------------------------------|-----------------|--------------------|-----------------|
| 9/21/2020 | 09:45<br>EST | 4.46<br>(J) | 49.8<br>(J) | 20.8       | 5.07 | 0.3              | 0.5<br><input type="checkbox"/> VOB (S) | 0.9             | 61.8               | 0.03            |

Central Lab please use top row for login purposes

|     |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|
| EST |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|

| Parameter Suite                    | Parameter Methods                                                                                                                                                                                                                                        | Preservation                                                                       | pH Check                               | # Bottles sent to Lab | Bottle Group |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------|-----------------------|--------------|
| Preserved Nutrients (P-500ML)      | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # SA0038110 Exp: 02/07/21                                                                                                                                         | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4* | <input checked="" type="checkbox"/> <2 | 1                     | A            |
| Metals (P-500ML)                   | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP <input checked="" type="checkbox"/> W-HARD<br>Lot # NA9354060 Exp: 12/20/20                                                                                        | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3*  | <input checked="" type="checkbox"/> <2 | 1                     | A            |
| Filtered Nutrients (P125ML)        | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter<br>Filter Lot # R9BA86875<br>Syringe Lot #                                                                                                 | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Chlorophyll (BP-1L)                | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                           | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Physical/Aggregate (Fresh) (P-1L)  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                          | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Physical/Aggregate (Marine) (P-1L) | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                                  | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Macroinvertebrates (PJ-2L)         | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                      | <input type="checkbox"/> Formalin                                                  |                                        |                       |              |
| Periphyton (PT-50ML)               | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                        | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Microbiology (Contract Lab Bottle) | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                                                                                 | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Molecular (QPCR-P-500ML)           | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                             | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Tracers (BG-500ML)                 | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                                                  | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA ( 5 ml of MCAA** Buffer Solution) | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
|                                    |                                                                                                                                                                                                                                                          | <input type="checkbox"/> Ice                                                       |                                        |                       |              |

Name:  
Jeremy Parrish  
Kimberly Applebee

Signature:

Kimberly Applebee

Date:

9/21/20

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: Pigeon Creek @ Andrews Rd

Date: 9/21/2020

WIN/Field ID: 19010098

WBID: 2105

ENR:

Latitude: 30.7286

County: NASSAU

Org ID: 21FLA

Longitude: -81.9654

Receiving Body of Water: Nassau - St. Marys

RQ- 2020-09-28-10

| Sampling Team Members               |                   | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation | Preservation Check |
|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Jeremy Parrish    |                                     | <input checked="" type="checkbox"/> |                                     |              |                    |
| <input checked="" type="checkbox"/> | Kimberly Applebee | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |              |                    |
| <input type="checkbox"/>            |                   |                                     |                                     |                                     |              |                    |
| <input type="checkbox"/>            |                   |                                     |                                     |                                     |              |                    |

| Sampling Equipment                                   |                                          |
|------------------------------------------------------|------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Carboy          |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Van Dorn        |
| <input type="checkbox"/> Syringe                     | <input checked="" type="checkbox"/> Pole |
| Depth measured with: Meter                           |                                          |
| Secchi Equipment ID:                                 |                                          |
| Collection Method                                    |                                          |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak     |
| <input checked="" type="checkbox"/> From Shore       | <input type="checkbox"/> Electric Motor  |
| <input type="checkbox"/> Other                       | <input type="checkbox"/> Gasoline Motor  |

|                                                                                                                                                                                                                                                                 |            |                 |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|------------------------|
| Water Level: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |            | Meter ID# STICH |                        |
| Photos: No                                                                                                                                                                                                                                                      | Flow: FLOW | Tide:           | Tide Times: High: Low: |
| Biological Samples Collected: <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |            |                 |                        |
| SBIO ID Numbers:                                                                                                                                                                                                                                                |            |                 |                        |
| Notes:                                                                                                                                                                                                                                                          |            |                 |                        |

| Duplicate Sample     |           |               |              |
|----------------------|-----------|---------------|--------------|
| Time Zone: EST       | Time: N/A | Field ID: N/A | (WIN ID_DUP) |
| WIN DMT Activity ID: |           |               |              |

| Blank          |           |                   |                        |
|----------------|-----------|-------------------|------------------------|
| Time Zone:     | Time: N/A | Field ID: N/A     | (Blank Type_DDDMMYYYY) |
| DI Source: N/A |           | Location: N/A     |                        |
| DI Type: N/A   |           | Equipment ID: N/A |                        |

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)



RQ-2020-09-28-10

Customer: WQAP

Project ID: SMP

Collected By: Jeremy Parrish, Kimberly Applebee

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

| Place Label Here                                                                                               |              |                                                                                                                                                                                                                                                         |             |            |      | Comments: Microbiology sample(s) submitted to contract laboratory                       |                                         |                             |                       |                 |
|----------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|------|-----------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------|-----------------------|-----------------|
| WIN ID/Field ID: <br>19010098 |              |                                                                                                                                                                                                                                                         |             |            |      | Failed CCV for DO% and DO mg/L.                                                         |                                         |                             |                       |                 |
| Location: Pigeon Creek @ Andrews Rd                                                                            |              |                                                                                                                                                                                                                                                         |             |            |      |                                                                                         |                                         |                             |                       |                 |
| Matrix: Fresh                                                                                                  |              |                                                                                                                                                                                                                                                         |             |            |      | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                         |                             |                       |                 |
| Date                                                                                                           | Time         | DO (mg/L)                                                                                                                                                                                                                                               | DO (%SAT)   | Temp. (C°) | pH   | Sample Depth (m)                                                                        | Secchi Disk (m)                         | Total Depth (m)             | Sp COND (µmhos/cm)    | Salinity (PPTH) |
| 9/21/2020                                                                                                      | 10:25<br>EST | 4.15<br>(J)                                                                                                                                                                                                                                             | 46.5<br>(J) | 20.8       | 4.05 | 0.3                                                                                     | 0.3<br><input type="checkbox"/> VOB (S) | 0.72                        | 59                    | 0.03            |
| Central Lab please use top row for login purposes                                                              |              |                                                                                                                                                                                                                                                         |             |            |      |                                                                                         |                                         |                             |                       |                 |
| EST                                                                                                            |              |                                                                                                                                                                                                                                                         |             |            |      |                                                                                         |                                         |                             |                       |                 |
| Parameter Suite                                                                                                |              | Parameter Methods                                                                                                                                                                                                                                       |             |            |      | Preservation                                                                            |                                         | pH Check                    | # Bottles sent to Lab | Bottle Group    |
| Preserved Nutrients (P-500ML)                                                                                  |              | <input type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                                    |             |            |      | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4*                            |                                         | <input type="checkbox"/> <2 |                       |                 |
|                                                                                                                |              | Lot #                                                                                                                                                                                                                                                   |             | Exp:       |      |                                                                                         |                                         |                             |                       |                 |
| Metals (P-500ML)                                                                                               |              | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                                                                                                                                                         |             |            |      | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*                             |                                         | <input type="checkbox"/> <2 |                       |                 |
|                                                                                                                |              | Lot #                                                                                                                                                                                                                                                   |             | Exp:       |      |                                                                                         |                                         |                             |                       |                 |
| Filtered Nutrients (P125ML)                                                                                    |              | <input type="checkbox"/> W-P04-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                 |             |            |      | <input type="checkbox"/> Ice                                                            |                                         |                             |                       |                 |
|                                                                                                                |              | Filter Lot #                                                                                                                                                                                                                                            |             |            |      |                                                                                         |                                         |                             |                       |                 |
|                                                                                                                |              | Syringe Lot #                                                                                                                                                                                                                                           |             |            |      |                                                                                         |                                         |                             |                       |                 |
| Chlorophyll (BP-1L)                                                                                            |              | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                     |             |            |      | <input type="checkbox"/> Ice                                                            |                                         |                             |                       |                 |
| Physical/Aggregate (Fresh) (P-1L)                                                                              |              | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                      |             |            |      | <input type="checkbox"/> Ice                                                            |                                         |                             |                       |                 |
| Physical/Aggregate (Marine) (P-1L)                                                                             |              | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                                 |             |            |      | <input type="checkbox"/> Ice                                                            |                                         |                             |                       |                 |
| Macroinvertebrates (PJ-2L)                                                                                     |              | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                     |             |            |      | <input type="checkbox"/> Formalin                                                       |                                         |                             |                       |                 |
| Periphyton (PT-50ML)                                                                                           |              | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                       |             |            |      | <input type="checkbox"/> Ice                                                            |                                         |                             |                       |                 |
| Microbiology (Contract Lab Bottle)                                                                             |              | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input checked="" type="checkbox"/> Contract Lab                                                                                     |             |            |      | <input checked="" type="checkbox"/> Ice                                                 |                                         |                             | 1                     | C               |
| Molecular (QPCR-P-500ML)                                                                                       |              | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/>                                                   |             |            |      | <input type="checkbox"/> Ice                                                            |                                         |                             |                       |                 |
| Tracers (BG-500ML)                                                                                             |              | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                                                 |             |            |      | <input type="checkbox"/> Ice                                                            |                                         |                             |                       |                 |
| Pesticides (BG-500ML) (BG-1L)                                                                                  |              | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) |             |            |      | <input type="checkbox"/> Ice                                                            |                                         |                             |                       |                 |
|                                                                                                                |              |                                                                                                                                                                                                                                                         |             |            |      | <input type="checkbox"/> Ice                                                            |                                         |                             |                       |                 |
| Name: Jeremy Parrish<br>Kimberly Applebee                                                                      |              |                                                                                                                                                                                                                                                         |             |            |      | Signature: <i>Kimberly Applebee</i>                                                     |                                         |                             | Date: 9/21/20         |                 |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: Pigeon Creek At Us 1

Date: 9/21/2020

WIN/Field ID: 19010099

WBID: 2105

ENR:

Latitude: 30.7626

County: NASSAU

Org ID: 21FLA

Longitude: -81.9671

Receiving Body of Water: Nassau - St. Marys

RQ- 2020-09-28-10

| Sampling Team Members               |                   | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Jeremy Parrish    |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| <input checked="" type="checkbox"/> | Kimberly Applebee | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/>            |                   |                                     |                                     |                                     |                                     |                                     |
| <input type="checkbox"/>            |                   |                                     |                                     |                                     |                                     |                                     |

| Sampling Equipment                                   |                                          |
|------------------------------------------------------|------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Carboy          |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Van Dorn        |
| <input type="checkbox"/> Syringe                     | <input checked="" type="checkbox"/> Pole |
| Depth measured with: Meter                           |                                          |
| Secchi Equipment ID:                                 |                                          |
| Collection Method                                    |                                          |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak     |
| <input checked="" type="checkbox"/> From Shore       | <input type="checkbox"/> Electric Motor  |
| <input type="checkbox"/> Other                       | <input type="checkbox"/> Gasoline Motor  |

|                                                                                                                                                                                                                                                                 |            |                 |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|------------------------|
| Water Level: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |            | Meter ID# STICH |                        |
| Photos: NO                                                                                                                                                                                                                                                      | Flow: FLOW | Tide:           | Tide Times: High: Low: |
| Biological Samples Collected: <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |            |                 |                        |
| SBIO ID Numbers:                                                                                                                                                                                                                                                |            |                 |                        |
| Notes:                                                                                                                                                                                                                                                          |            |                 |                        |

## Duplicate Sample

|                      |           |               |              |
|----------------------|-----------|---------------|--------------|
| Time Zone: EST       | Time: N/A | Field ID: N/A | (WIN ID_DUP) |
| WIN DMT Activity ID: |           |               |              |

## Blank

|                |                   |               |                       |
|----------------|-------------------|---------------|-----------------------|
| Time Zone:     | Time: N/A         | Field ID: N/A | (Blank Type_DDMMYYYY) |
| DI Source: N/A | Location: N/A     |               |                       |
| DI Type: N/A   | Equipment ID: N/A |               |                       |

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets: Migrate Data to WIN: Verify Data In WIN:



RQ-2020-09-28-10

Customer: WQAP

Project ID: SMP

Collected By: Jeremy Parrish, Kimberly Applebee

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



19010099

Location: Pigeon Creek At Us 1

Comments: Microbiology sample(s) submitted to contract laboratory

Failed CCV for DO% and DO mg/L.

Matrix: Fresh

(Check one)

☒ GRAB☐ COMPOSITE

| Date      | Time         | DO (mg/L)   | DO (%SAT)   | Temp. (C°) | pH   | Sample Depth (m) | Secchi Disk (m)                          | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPTH) |
|-----------|--------------|-------------|-------------|------------|------|------------------|------------------------------------------|-----------------|--------------------|-----------------|
| 9/21/2020 | 10:40<br>EST | 7.24<br>(J) | 81.2<br>(J) | 20.9       | 5.19 | 0.3              | 0.35<br><input type="checkbox"/> VOB (S) | 0.45            | 52.3               | 0.02            |

Central Lab please use top row for login purposes

|     |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|
| EST |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|

| Parameter Suite                    | Parameter Methods                                                                                                                                                                                                                                        | Preservation                                                                                                              | pH Check                               | # Bottles sent to Lab | Bottle Group |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------|--------------|
| Preserved Nutrients (P-500ML)      | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # SA0038110 Exp: 02/07/21                                                                                                                                         | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4* <input checked="" type="checkbox"/> <2 | <input checked="" type="checkbox"/> <2 | 1                     | B            |
| Metals (P-500ML)                   | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD<br>Lot # Exp:                                                                                                                                            | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3* <input type="checkbox"/> <2                                   |                                        |                       |              |
| Filtered Nutrients (P125ML)        | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter<br>Filter Lot # R9BA86875<br>Syringe Lot #                                                                                                 | <input checked="" type="checkbox"/> Ice                                                                                   |                                        | 1                     | B            |
| Chlorophyll (BP-1L)                | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                           | <input checked="" type="checkbox"/> Ice                                                                                   |                                        | 1                     | B            |
| Physical/Aggregate (Fresh) (P-1L)  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                            | <input checked="" type="checkbox"/> Ice                                                                                   |                                        | 1                     | B            |
| Physical/Aggregate (Marine) (P-1L) | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                                  | <input type="checkbox"/> Ice                                                                                              |                                        |                       |              |
| Macroinvertebrates (PJ-2L)         | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                      | <input type="checkbox"/> Formalin                                                                                         |                                        |                       |              |
| Periphyton (PT-50ML)               | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                        | <input type="checkbox"/> Ice                                                                                              |                                        |                       |              |
| Microbiology (Contract Lab Bottle) | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input checked="" type="checkbox"/> Contract Lab                                                                                      | <input checked="" type="checkbox"/> Ice                                                                                   |                                        | 1                     | B            |
| Molecular (QPCR-P-500ML)           | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                             | <input type="checkbox"/> Ice                                                                                              |                                        |                       |              |
| Tracers (BG-500ML)                 | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                                                  | <input type="checkbox"/> Ice                                                                                              |                                        |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) | <input type="checkbox"/> Ice                                                                                              |                                        |                       |              |
|                                    |                                                                                                                                                                                                                                                          | <input type="checkbox"/> Ice                                                                                              |                                        |                       |              |

Name:  
Jeremy Parrish  
Kimberly Applebee

Signature:

Kimberly Applebee

Date:

9/21/20

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: Creek Draining Former Hampton Lake 100m Above Rd Date: 9/21/2020

WIN/Field ID: G4NE0292 WBID: 2105A ENR: Latitude: 30.777

County: NASSAU Org ID: 21FLA Longitude: -81.97

Receiving Body of Water: Nassau - St. Marys RQ- 2020-09-28-10

| Sampling Team Members               |                   | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Jeremy Parrish    |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |                                     |
| <input checked="" type="checkbox"/> | Kimberly Applebee | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/>            |                   |                                     |                                     |                                     |                                     |                                     |
| <input type="checkbox"/>            |                   |                                     |                                     |                                     |                                     |                                     |

| Sampling Equipment                                   |                                          |
|------------------------------------------------------|------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Carboy          |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Van Dorn        |
| <input type="checkbox"/> Syringe                     | <input checked="" type="checkbox"/> Pole |
| Depth measured with: Meter                           |                                          |
| Secchi Equipment ID:                                 |                                          |
| Collection Method                                    |                                          |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak     |
| <input checked="" type="checkbox"/> From Shore       | <input type="checkbox"/> Electric Motor  |
| <input type="checkbox"/> Other                       | <input type="checkbox"/> Gasoline Motor  |

|                                                                                                                                                                                                                                                                 |            |                  |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|------------------------|
| Water Level: <input type="checkbox"/> Normal <input type="checkbox"/> Low <input checked="" type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |            | Meter ID# STITCH |                        |
| Photos: YES                                                                                                                                                                                                                                                     | Flow: FLOW | Tide:            | Tide Times: High: Low: |
| Biological Samples Collected: <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |            |                  |                        |
| SBIO ID Numbers:                                                                                                                                                                                                                                                |            |                  |                        |
| Notes:                                                                                                                                                                                                                                                          |            |                  |                        |

| Duplicate Sample     |           |               |              |
|----------------------|-----------|---------------|--------------|
| Time Zone: EST       | Time: N/A | Field ID: N/A | (WIN ID_DUP) |
| WIN DMT Activity ID: |           |               |              |

| Blank          |           |                   |                      |
|----------------|-----------|-------------------|----------------------|
| Time Zone:     | Time: N/A | Field ID: N/A     | (Blank Type_DDMYYYY) |
| DI Source: N/A |           | Location: N/A     |                      |
| DI Type: N/A   |           | Equipment ID: N/A |                      |

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: (Initials/Date) QC Station ID, Field Parameters in LIMS DMT: (Initials/Date)

Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data in WIN: (Initials/Date)



RQ-2020-09-28-10

Customer: WQAP

Project ID: SMP

Collected By: Jeremy Parrish, Kimberly Applebee

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

| Place Label Here                                                                                   |           |                                                                                                                                               |           |            |      | Comments: Microbiology sample(s) submitted to contract laboratory                       |                                      |                                        |                       |                |  |
|----------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------|-----------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------|-----------------------|----------------|--|
| WIN ID/Field ID:  |           |                                                                                                                                               |           |            |      | Failed CCV for DO% and DO mg/L.                                                         |                                      |                                        |                       |                |  |
| Location: Creek Draining Former Hampton Lake 100m Above Rd                                         |           |                                                                                                                                               |           |            |      |                                                                                         |                                      |                                        |                       |                |  |
| Matrix: Fresh                                                                                      |           |                                                                                                                                               |           |            |      | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                      |                                        |                       |                |  |
| Date                                                                                               | Time      | DO (mg/L)                                                                                                                                     | DO (%SAT) | Temp. (C°) | pH   | Sample Depth (m)                                                                        | Secchi Disk (m)                      | Total Depth (m)                        | Sp COND (µmhos/cm)    | Salinity (PPT) |  |
| 9/21/2020                                                                                          | 11:00 EST | 7.24 (J)                                                                                                                                      | 81.7 (J)  | 21.2       | 5.21 | 0.3                                                                                     | 0.4 <input type="checkbox"/> VOB (S) | 0.58                                   | 51.2                  | 0.02           |  |
| Central Lab please use top row for login purposes                                                  |           |                                                                                                                                               |           |            |      |                                                                                         |                                      |                                        |                       |                |  |
| EST                                                                                                |           |                                                                                                                                               |           |            |      |                                                                                         |                                      |                                        |                       |                |  |
| Parameter Suite                                                                                    |           | Parameter Methods                                                                                                                             |           |            |      | Preservation                                                                            |                                      | pH Check                               | # Bottles sent to Lab | Bottle Group   |  |
| Preserved Nutrients (P-500ML)                                                                      |           | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                               |           |            |      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4*      |                                      | <input checked="" type="checkbox"/> <2 | 1                     | B              |  |
|                                                                                                    |           | Lot #                                                                                                                                         | SA0038110 |            | Exp: | 2/7/20                                                                                  |                                      |                                        |                       |                |  |
| Metals (P-500ML)                                                                                   |           | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                                               |           |            |      | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*                             |                                      | <input type="checkbox"/> <2            |                       |                |  |
|                                                                                                    |           | Lot #                                                                                                                                         |           |            | Exp: |                                                                                         |                                      |                                        |                       |                |  |
| Filtered Nutrients (P125ML)                                                                        |           | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                 |           |            |      | <input checked="" type="checkbox"/> Ice                                                 |                                      |                                        | 1                     | B              |  |
|                                                                                                    |           | Filter Lot #                                                                                                                                  | SA1J792H5 |            |      |                                                                                         |                                      |                                        |                       |                |  |
|                                                                                                    |           | Syringe Lot #                                                                                                                                 |           |            |      |                                                                                         |                                      |                                        |                       |                |  |
| Chlorophyll (BP-1L)                                                                                |           | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                |           |            |      | <input checked="" type="checkbox"/> Ice                                                 |                                      |                                        | 1                     | B              |  |
| Physical/Aggregate (Fresh) (P-1L)                                                                  |           | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS                                 |           |            |      | <input checked="" type="checkbox"/> Ice                                                 |                                      |                                        | 1                     | B              |  |
| Physical/Aggregate (Marine) (P-1L)                                                                 |           | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                       |           |            |      | <input type="checkbox"/> Ice                                                            |                                      |                                        |                       |                |  |
| Macroinvertebrates (PJ-2L)                                                                         |           | <input type="checkbox"/> MI-FW-QLDC                                                                                                           |           |            |      | <input type="checkbox"/> Formalin                                                       |                                      |                                        |                       |                |  |
| Periphyton (PT-50ML)                                                                               |           | <input type="checkbox"/> ALGAE-ID                                                                                                             |           |            |      | <input type="checkbox"/> Ice                                                            |                                      |                                        |                       |                |  |
| Microbiology (Contract Lab Bottle)                                                                 |           | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                               |           |            |      | <input checked="" type="checkbox"/> Ice                                                 |                                      |                                        | 1                     | B              |  |
| Molecular (QPCR-P-500ML)                                                                           |           | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3                                         |           |            |      | <input type="checkbox"/> Ice                                                            |                                      |                                        |                       |                |  |
|                                                                                                    |           | <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/>                                                  |           |            |      |                                                                                         |                                      |                                        |                       |                |  |
| Tracers (BG-500ML)                                                                                 |           | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                       |           |            |      | <input type="checkbox"/> Ice                                                            |                                      |                                        |                       |                |  |
| Pesticides (BG-500ML) (BG-1L)                                                                      |           | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R |           |            |      | <input type="checkbox"/> Ice                                                            |                                      |                                        |                       |                |  |
|                                                                                                    |           | <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution)                                       |           |            |      |                                                                                         |                                      |                                        |                       |                |  |
|                                                                                                    |           |                                                                                                                                               |           |            |      | <input type="checkbox"/> Ice                                                            |                                      |                                        |                       |                |  |
| Name: Jeremy Parrish<br>Kimberly Applebee                                                          |           |                                                                                                                                               |           |            |      | Signature: <i>Kimberly Applebee</i>                                                     |                                      |                                        | Date: 9/21/20         |                |  |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

## CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

9143 Phillips Highway, Suite 200 Jacksonville, FL 32256 / PH(904) 739-2277 / FAX (904) 739-2011

Page 1 of 1

**ALS Contact Mandy Sullivan**

[illegible]

Date of Request: 24-AUG-2020  
 Created By: PARRISH\_J On: 24-AUG-2020  
 Modified By: JASROTIA\_P On: 08-SEP-2020  
 Customer: NE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northeast District  
 Event Description: Nassau North 2020

**Send Coolers To:**

Phone: 904-256-1700  
 8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish  
 Cooler Ship Email: Jeremy.M.Parrish@dep.state.fl.us

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 04-SEP-2020  
 Biology Request Reviewed By: JASROTIA\_P On: 08-SEP-2020  
 Sampling Kit Required: YES Ship on: 18-SEP-2020  
 Sampling Kit Shipped: YES On: 11-SEP-2020  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 28-SEP-2020  
 Logged In By:

**Send Final Report To:**

8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish  
 Report Notification Email: Jeremy.M.Parrish@dep.state.fl.us

Comments: Group A: (Surf-Fresh) Nutrients, Metals, Bacteria  
 Group B:(Surf-Fresh) Nutrients, Bacteria  
 Group C:(Surf-Fresh) Bacteria

NE-ALS-ECQ

Packing Notes:  
 None

**Bottle Group A (Water) With 2 Samples:**

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-2011) 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-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                                                                |
| Color (true)                |                      |                                                                                                                                                |
| W-F                         | Template: DEFAULT    | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                         |
| W-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                                                    |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                |
| Bottle Type: BP-1L          | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| NE-ALS-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by ALS in Jacksonville                                                                          |
| Bottle Type: P-500ML        | Number of Bottles: 2 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-HARD                      | Template: DEFAULT    | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO <sub>3</sub>                                                    |
| Hardness                    |                      |                                                                                                                                                |
| W-ICP                       | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Barium                      |                      |                                                                                                                                                |
| Calcium                     |                      |                                                                                                                                                |

**Bottle Group A (Water) With 2 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | 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 |
| 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              |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | 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-2011) Nonpurgeable Organic Carbon in aqueous matrices                         |
| Bottle Type: P-125ML | Number of Bottles: 2 | Preserved With: FILTER-ICE                                                               |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

**Bottle Group B (Water) With 2 Samples:**

|                             |                      |                                                                                                              |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML        | Number of Bottles: 2 | 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-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |
| Bottle Type: P-125ML        | Number of Bottles: 2 | Preserved With: FILTER-ICE                                                                                   |
| W-PO4-F                     | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |
| Bottle Type: P-1L           | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-2011) 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-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                              |
| Color (true)                |                      |                                                                                                              |
| W-F                         | Template: DEFAULT    | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)       |
| W-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                  |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |
| Bottle Type: BP-1L          | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| NE-ALS-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by ALS in Jacksonville                                        |

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

|                             |                      |                                                                       |
|-----------------------------|----------------------|-----------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                   |
| NE-ALS-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by ALS in Jacksonville |

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