# Login Checklist

RQ- 2022-01-31-17 Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound Date/Time of Receipt: 02/ 8 /22 @ 10:30

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with | | Number of Sample Containers in Cooler | Evidence Tape | | | | Waybill Tracking # |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Present? | | *Intact? | | |
| | YES | $HNO_3$ | Formalin | | Yes | No | Yes | No | |
| 1.3 | | | | 21 | | X | | | 5225 5543 0610 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**COOLER CHECK**

***All samples received on ice unless otherwise noted. HNO3 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 X

**CONTAINER CHECK**

Evidence Tape on Bottles? Yes ____ No ____ NA X 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 X Init: ZR

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: ZR

**W-1-4-DIOX *(Green dot on container)* preserved to pH< 4.0? Yes____ No____ NA X Init: ZR

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

**Coolers Unpacked/Checked by:** ZR **Date:** 02/ 8 /22 **Event contains NCRs (Y/N)?** N

**Event ID:** Nassau North 2
NE-DIST-2022-02-08-01 (SMP)
- Date Received: 08-FEB-2022 10:30

# Login Checklist

| Login Preservation Equipment | Lot # & Exp: Date |
|---|---|
| Infrared Thermometer ID: | #4 Temp Gun EXP:10/19/2022 |
| pH Test Strips 0 – 6 | N/A |
| pH Paper 0 – 3 | N/A |
| pH Paper 0 – 13 | 210620 EXP:04/15/2023 |
| Chlorine Test Strips | 0261 EXP:05/2023 |

**Additional Comments:**

**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:** | 2/7/2022 | **Collected By:** | Jeremy Parrish, Kimberly Appleby |
| **Customer:** | NE-DIST | **Sampling Agency:** | FDEP |
| **RQ:** | RQ-2022-01-31-17 | **Project ID:** | SMP |

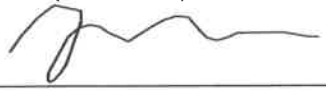
PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

**Number of Coolers Shipped:** 2 **Delivery Method:** FedEx

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

| Site Location | Field ID/WIN ID |
|---|---|
| Little St Marys River @ SR 115A | 19010032 |
| Creek draining former Hampton lake 100m above rd | G4NE0292 |
| PIGEON CREEK AT US 1 | 19010099 |
| PIGEON CREEK @ ANDREWS RD | 19010098 |
| Mills CR @ CR 108 | 19010096 |
| MILLS CREEK AT US 301/US1 | 19020048 |
| LITTLE ST. MARYS @ CR 121A | 19010046 |

**RELINQUISHED BY(SIGNATURE):**



**DATE/TIME:** 2/7/2022 1600EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:** MK **Rec'd/Inspected Date:** 2-8-2022

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

Boldly "x" this box if there are qualified data on this page.

Meter ID: YSI-Bruce RQ-2022-A-31-17 Project: Nassau Nutr 2

**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 2/3/2022

| 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. | JTimsh | 2/7/22 | 750 | 21.3 | 764.1 | 8.9 | 8.9 | 100.6 | — | 1.03 | P / F | L / F |
| ICV | " | 2/7/22 | 751 | 21.4 | 764.1 | 8.9 | 8.9 | 100.6 | — | 1.03 | P / F | L / F |
| CCV | Kim Appleby | 2/7/22 | 1718 | 18.3 | 763.7 | 9.5 | 9.54 | 101.5 | — | 1.03 | P / F | L / F |
| CCV | | | | | | | | | | | P / F | L / F |

DO Acceptance criteria from Table ± 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 µmhos/cm | Meter Reading µmhos/cm | Pass / Fail | Lab / Field |
|---|---|---|---|---|---|---|---|---|---|
| Calibr. | JTimsh | 2/7/22 | 753 | 21091703 | 9/22 | 1000 | 1000 | P / F | L / F |
| ICV | " | 2/7/22 | 755 | 21091705 | 9/22 | 100 | 102 | P F | L F |
| CCV | Kim Appleby | 2/7/22 | 1725 | 211122B | 12/22 | 1413 | 1405 | P F | L F |
| CCV | | | | | | | | P / F | L / F |

Conductivity Acceptance criteria ± 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. | JTimsh | 2/7/22 | 821 | 21[illegible]79 | 12/23 | 7. | 21.9 | 7.00 | -8 | P F | L / F |
| Calibr. | " | | 823 | 2108F51 | 8/23 | 4. | 21.9 | 4.01 | 167.5 | P / F | L / F |
| Calibr. | " | | 824 | 2108H67 | 2/23 | 10. | 22.0 | 10.02 | -181 | P / F | L / F |
| ICV | " | " | 825 | 2108F51 | 8/23 | 4. | 22.0 | ~~4.03~~ 4.03 | 162.5 | P / F | L / F |
| CCV | | | | | | | | | | P / F | L / F |
| CCV | Kim Appleby | 2/7/22 | 1727 | 2108H37 | 2/2023 | 10.03 | 22.6 | 10.06 | -185 | P / F | L / F |

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 173.1, slope from 4 to 7 175.5 (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: 2/3/22
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 | JTimsh | 2/7/22 | 839 | 0.00 | 0.00 | P F | L F |

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

**COMMENTS:**

Form effective August 1, 2018

**RQ-**2022-01-31-17
**Customer:** WQAP
**Project ID:** SMP

Collected By: Jeremy Parrish, Kimberly Appleby
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here

**WIN ID/Field ID:** 19010032

**Location:** Little St Marys River @ SR 115A

**Comments:**

**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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2/7/2022 | 1105 EST | 8.62 | 76.6 | 10.1 | 6.54 | 0.3 | 0.5 ☐ VOB (S) | 0.4 | 128 | 0.06 |
| | | | | | | | 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)** | ☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | ☐ce ☐$H_2SO_4$* | ☐<2 | | |
| | **Lot #** | **Exp:** | | | |
| **Metals (P-500ML)** | ☒ W-ICPMS ☒ W-ICP ☒ W-HARD | x☐ce x☐$HNO_3$* | x☐<2 | 1 | B |
| | **Lot #** Na1105100 | **Exp:** 6/7/22 | | | |
| **Filtered Nutrients (P125ML)** | ☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter | ☐ Ice | | | |
| | **Filter Lot #** | **Syringe Lot #** | | | |
| **BOD (BP-1L)** | ☐ OV-BODUNIN | ☐ Ice | | | |
| **Chlorophyll (BP-1L)** | ☐ CHLSUITE-W | ☐ Ice | | | |
| **Physical/Aggregate (Fresh) (P-1L)** | ☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS | ☐ Ice | | | |
| **Physical/Aggregate (Marine) (P-1L)** | ☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY | ☐ Ice | | | |
| **Macroinvertebrates (PJ-2L)** | ☐ MI-FW-QLDC | ☐ Formalin | | | |
| **Periphyton (PT-50ML)** | ☐ ALGAE-ID | ☐ Ice | | | |
| **Microbiology (Contract Lab Bottle)** | x☐ Coli ☐ Coli ☐ Enterococci ☐ Contract Lab | ☒ Ice | | 1 | B |
| **Molecular (QPCR-P-500ML)** | ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ | ☐ Ice | | | |
| **Tracers (BG-500ML)** | ☐ W-E8321-DI ☐ W-E8321-MS | ☐ Ice | MCAA Exp. | | |
| **Pesticides (BG-500ML) (BG-1L)** | ☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-TQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-TR-SQ-R ☐ W-PCB-TQ-R | ☐ Ice | MCAA Lot# | | |
| **Phytoplankton/Periphyton** | ☐ DTY-QN-C ☐ PKD-QN-C | ☐ Ice | | | |

**Name:**
Jeremy Parrish
Kimberly Appleby

**Signature:**

**Date:** 02/07/2022

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
## NWQI FIELD SHEET

January 2022

| Meter Passed End of Day CCV Yes / No |
|---|

**WIN Station Name:** Little St Marys River @ SR 115A **Date:** 2/7/2022

**WIN/Field ID:** 19010032 **WBID:** 2106 **ENR:** - **Latitude:** 30.73238

**County:** NASSAU **Org ID:** 21FLA **Longitude:** -81.8928

**Receiving Body of Water:** Nassau - St. Marys **RQ-** 2022-01-31-17

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| [x] Jeremy Parrish | x | | x | | |
| [x] Kimberly Appleby | | x | | x | x |
| [ ] | | | | | |
| [ ] | | | | | |

**Sampling Equipment**

- [x] Sample Container
- [ ] Dipper
- [ ] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [x] Pole

**Depth measured with:** Meter

**Secchi Equipment ID:**

**Collection Method**

- [x] **Wading**
- [ ] **From Shore**
- [ ] **Other** _____
- [ ] **Canoe/Kayak**
- [ ] **Electric Motor**
- [ ] **Gasoline Motor**

**Water Level:** [X] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

**Meter ID#** BRUCE

**Photos:** YES **Flow:** FLOW **Tide:**

**Tide Times:** High: Low

**Biological Samples Collected:** [X] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

**SBIO ID Numbers:**

**Notes:**

### Duplicate Sample

**Time Zone:** EST **Time:** **Field ID:** N/A (WIN ID_DUP)

**WIN DMT Activity ID:**

### Blank

**Time Zone:** **Time:** **Field ID:** (Blank Type_DDMMYYYY)

**DI Source:** **Location:**

**DI Type:** **Equipment ID:**

**DI Container (Name/ID):** **DI Container Type:**

**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-**2022-01-31-17
**Customer:** WQAP
**Project ID:** SMP

Collected By: Jeremy Parrish, Kimberly Appleby
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here

**WIN ID/Field ID:** G4NE0292

**Location:** Creek draining former Hampton lake 100m above rd

**Comments:**

**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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2/7/2022 | 1135 EST | 10.37 | 93.5 | 10.7 | 6.23 | 0.3 | 0.3 ☐ VOB (S) | 0.5 | 60.3 | 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)** | ☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | ☐ Ice ☐ $H_2SO_4$* | ☐ <2 | | |
| | **Lot #** | **Exp:** | | | |
| **Metals (P-500ML)** | ☒ W-ICPMS ☒ W-ICP ☒ W-HARD | x☐ Ice x☐ $HNO_3$* | x☐ <2 | 1 | C |
| | **Lot #** Na1105100 | **Exp:** 6/7/22 | | | |
| **Filtered Nutrients (P125ML)** | ☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter | ☐ Ice | | | |
| | **Filter Lot #** | **Syringe Lot #** | | | |
| **BOD (BP-1L)** | ☐ OV-BODUNIN | ☐ Ice | | | |
| **Chlorophyll (BP-1L)** | ☐ CHLSUITE-W | ☐ Ice | | | |
| **Physical/Aggregate (Fresh) (P-1L)** | ☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS | ☐ Ice | | | |
| **Physical/Aggregate (Marine) (P-1L)** | ☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY | ☐ Ice | | | |
| **Macroinvertebrates (PJ-2L)** | ☐ MI-FW-QLDC | ☐ Formalin | | | |
| **Periphyton (PT-50ML)** | ☐ ALGAE-ID | ☐ Ice | | | |
| **Microbiology (Contract Lab Bottle)** | ☐ E Coli ☐ T Coli ☐ Enterococci ☐ Contract Lab | ☐ Ice | | | |
| **Molecular (QPCR-P-500ML)** | ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ | ☐ Ice | | | |
| **Tracers (BG-500ML)** | ☐ W-E8321-DI ☐ W-E8321-MS | ☐ Ice | MCAA Exp. | | |
| **Pesticides (BG-500ML) (BG-1L)** | ☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-TR-SQ-R ☐ W-PCB-TQ-R | ☐ Ice | MCAA Lot# | | |
| **Phytoplankton/Periphyton** | ☐ DTY-QN-C ☐ PKD-QN-C | ☐ Ice | | | |

**Name:** Jeremy Parrish, Kimberly Appleby
**Signature:**
**Date:** 02/07/2022

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
# STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

Meter Passed End of Day CCV
Yes / No

**WIN Station Name:** Creek draining former Hampton lake 100m above rd **Date:** 2/7/2022

**WIN/Field ID:** G4NE0292 **WBID:** 2105A **ENR:** - **Latitude:** 30.77696

**County:** NASSAU **Org ID:** 21FLA **Longitude:** -81.96995

**Receiving Body of Water:** Nassau - St. Marys **RQ-** 2022-01-31-17

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| [x] Jeremy Parrish | x | | x | | |
| [x] Kimberly Appleby | | x | | x | x |
| [ ] | | | | | |
| [ ] | | | | | |

**Sampling Equipment**

- [x] Sample Container
- [ ] Dipper
- [ ] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [x] Pole

**Depth measured with:** Secchi
**Secchi Equipment ID:** D3

**Collection Method**

- [ ] Wading
- [x] From Shore
- [ ] Other _____
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

**Water Level:** [X] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

**Meter ID#** BRUCE

**Photos:** YES **Flow:** NA **Tide:**

**Tide Times:** High: Low:

**Biological Samples Collected:** [X] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

**SBIO ID Numbers:**

**Notes:**

## Duplicate Sample

**Time Zone:** EST **Time:** _____ **Field ID:** N/A (WIN ID_DUP)

**WIN DMT Activity ID:** _____

## Blank

**Time Zone:** _____ **Time:** _____ **Field ID:** _____ (Blank Type_DDMMYYYY)

**DI Source:** _____ **Location:** _____

**DI Type:** _____ **Equipment ID:** _____

**DI Container (Name/ID):** **DI Container Type:**

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-**2022-01-31-17
**Customer:** WQAP
**Project ID:** SMP

Collected By: Jeremy Parrish, Kimberly Appleby
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here

**WIN ID/Field ID:** 19010099

**Location:** PIGEON CREEK AT US 1

**Comments:**

**Matrix:** Fresh

(Check one) [X] 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2/7/2022 | 1150 EST | 9.83 | 88.7 | 10.8 | 6.17 | 0.3 | 0.6 [X] VOB (S) | 0.6 | 62.9 | 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)** | [ ] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | [ ] Ice [ ] $H_2SO_4$* | [ ]<2 | | |
| | **Lot #** | **Exp:** | | | |
| **Metals (P-500ML)** | [X] W-ICPMS [X] W-ICP [X] W-HARD | [X] Ice [X] $HNO_3$* | [X]<2 | 1 | B |
| | **Lot #** Na1105100 | **Exp:** 6/7/22 | | | |
| **Filtered Nutrients (P125ML)** | [ ] W-PO4-F [ ] Field Filtered 0.45 µm Filter | [ ] Ice | | | |
| | **Filter Lot #** | **Syringe Lot #** | | | |
| **BOD (BP-1L)** | [ ] OV-BODUNIN | [ ] Ice | | | |
| **Chlorophyll (BP-1L)** | [ ] CHLSUITE-W | [ ] Ice | | | |
| **Physical/Aggregate (Fresh) (P-1L)** | [ ] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS | [ ] Ice | | | |
| **Physical/Aggregate (Marine) (P-1L)** | [ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY | [ ] Ice | | | |
| **Macroinvertebrates (PJ-2L)** | [ ] MI-FW-QLDC | [ ] Formalin | | | |
| **Periphyton (PT-50ML)** | [ ] ALGAE-ID | [ ] Ice | | | |
| **Microbiology (Contract Lab Bottle)** | [X] E Coli [ ] T Coli [ ] Enterococci [ ] Contract Lab | [X] Ice | | 1 | B |
| **Molecular (QPCR-P-500ML)** | [ ] PCR-HF183 [ ] PCR-BacR [ ] PCR-DG3 [ ] PCR-GULL2 [ ] PCR-GFD [ ] | [ ] Ice | | | |
| **Tracers (BG-500ML)** | [ ] W-E8321-DI [ ] W-E8321-MS | [ ] Ice | MCAA Exp. | | |
| **Pesticides (BG-500ML) (BG-1L)** | [ ] W-E8321-DI [ ] WE8321-MS [ ] W-PSNP-TQ [ ] W-CT-CL-R [ ] W-PCL-TQ-R [ ] W-CARB-AA (5 ml of MCAA** Buffer Solution) [ ] W-TR-SQ-R [ ] W-PCB-TQ-R | [ ] Ice | MCAA Lot# | | |
| **Phytoplankton/Periphyton** | [ ] DTY-QN-C [ ] PKD-QN-C | [ ] Ice | | | |

**Name:** Jeremy Parrish, Kimberly Appleby
**Signature:**
**Date:** 02/07/2022

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
# STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

| Meter Passed End of Day CCV |
|---|
| Yes / No |

**WIN Station Name:** PIGEON CREEK AT US 1 **Date:** 2/7/2022

**WIN/Field ID:** 19010099 **WBID:** 2105 **ENR:** - **Latitude:** 30.76261

**County:** NASSAU **Org ID:** 21FLA **Longitude:** -81.96706

**Receiving Body of Water:** Nassau - St. Marys **RQ-** 2022-01-31-17

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| [x] Jeremy Parrish | x | | x | | |
| [x] Kimberly Appleby | | x | | x | x |
| [ ] | | | | | |
| [ ] | | | | | |

**Sampling Equipment**

- [x] Sample Container
- [ ] Dipper
- [ ] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [x] Pole

**Depth measured with:** Meter

**Secchi Equipment ID:**

**Collection Method**

- [ ] Wading
- [x] From Shore
- [ ] Other _____
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

**Water Level:** [X] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

**Meter ID#** BRUCE

**Photos:** YES **Flow:** FLOW **Tide:**

**Tide Times:** High: Low

**Biological Samples Collected:** [X] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

**SBIO ID Numbers:**

**Notes:**

## Duplicate Sample

**Time Zone:** EST **Time:** **Field ID:** N/A (WIN ID_DUP)

**WIN DMT Activity ID:**

## Blank

**Time Zone:** **Time:** **Field ID:** (Blank Type_DDMMYYYY)

**DI Source:** **Location:**

**DI Type:** **Equipment ID:**

**DI Container (Name/ID):** **DI Container Type:**

**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-**2022-01-31-17
**Customer:** WQAP
**Project ID:** SMP

Collected By: Jeremy Parrish, Kimberly Appleby
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here

**WIN ID/Field ID:** 19010098

**Location:** PIGEON CREEK @ ANDREWS RD

**Comments:**

**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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2/7/2022 | 1210 EST | 8.97 | 81.1 | 10.7 | 5.27 | 0.3 | 0.6 ☒ VOB (S) | 0.6 | 57 | 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)** | ☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | x☐ce x☐$H_2SO_4$* | x☐<2 | 1 | A |
| | **Lot #** Sa1105060 **Exp:** | 4/30/22 | | | |
| **Metals (P-500ML)** | ☒ W-ICPMS ☒ W-ICP ☒ W-HARD | x☐ce x☐$HNO_3$* | x☐<2 | 1 | A |
| | **Lot #** Na1105100 **Exp:** | 6/7/22 | | | |
| **Filtered Nutrients (P125ML)** | ☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter | x☐ Ice | | 1 | A |
| | **Filter Lot #** R1eb01329 | **Syringe Lot #** | | | |
| **BOD (BP-1L)** | ☐ OV-BODUNIN | ☐ Ice | | | |
| **Chlorophyll (BP-1L)** | ☒ CHLSUITE-W | x☐ Ice | | 1 | A |
| **Physical/Aggregate (Fresh) (P-1L)** | x☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / TDS W-SO4-IC / W- | x☐ Ice | | 1 | A |
| **Physical/Aggregate (Marine) (P-1L)** | ☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY | ☐ Ice | | | |
| **Macroinvertebrates (PJ-2L)** | ☐ MI-FW-QLDC | ☐ Formalin | | | |
| **Periphyton (PT-50ML)** | ☐ ALGAE-ID | ☐ Ice | | | |
| **Microbiology (Contract Lab Bottle)** | x☐ Coli ☐ Coli ☐ Enterococci ☐ Contract Lab | ☒ Ice | | 1 | A |
| **Molecular (QPCR-P-500ML)** | ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ | ☐ Ice | | | |
| **Tracers (BG-500ML)** | ☐ W-E8321-DI ☐ W-E8321-MS | ☐ Ice | MCAA Exp. | | |
| **Pesticides (BG-500ML) (BG-1L)** | ☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-TR-SQ-R ☐ W-PCB-TQ-R | ☐ Ice | MCAA Lot# | | |
| **Phytoplankton/Periphyton** | ☐ DTY-QN-C ☐ PKD-QN-C | ☐ Ice | | | |

**Name:** Jeremy Parrish, Kimberly Appleby

**Signature:**

**Date:** 02/07/2022

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
# STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

| Meter Passed End of Day CCV |
|---|
| Yes / No |

**WIN Station Name:** PIGEON CREEK @ ANDREWS RD **Date:** 2/7/2022

**WIN/Field ID:** 19010098 **WBID:** 2105 **ENR:** - **Latitude:** 30.72862

**County:** NASSAU **Org ID:** 21FLA **Longitude:** -81.96537

**Receiving Body of Water:** Nassau - St. Marys **RQ-** 2022-01-31-17

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| [x] Jeremy Parrish | x | | x | | |
| [x] Kimberly Appleby | | x | | x | x |
| [ ] | | | | | |
| [ ] | | | | | |

**Sampling Equipment**

- [x] Sample Container
- [ ] Dipper
- [ ] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [x] Pole

**Depth measured with:** Meter

**Secchi Equipment ID:**

**Collection Method**

- [ ] **Wading**
- [x] **From Shore**
- [ ] **Other** _____
- [ ] **Canoe/Kayak**
- [ ] **Electric Motor**
- [ ] **Gasoline Motor**

**Water Level:** [X] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

**Meter ID#** BRUCE

**Photos:** YES **Flow:** FLOW **Tide:**

**Tide Times:** High: Low:

**Biological Samples Collected:** [X] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

**SBIO ID Numbers:**

**Notes:**

OVERCAST

## Duplicate Sample

**Time Zone:** EST **Time:** _____ **Field ID:** N/A (WIN ID_DUP)

**WIN DMT Activity ID:** _____

## Blank

**Time Zone:** _____ **Time:** _____ **Field ID:** _____ (Blank Type_DDMMYYYY)

**DI Source:** _____ **Location:** _____

**DI Type:** _____ **Equipment ID:** _____

**DI Container (Name/ID):** **DI Container Type:**

**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-**2022-01-31-17
**Customer:** WQAP
**Project ID:** SMP

Collected By: Jeremy Parrish, Kimberly Appleby
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here

**WIN ID/Field ID:** 19010096

**Location:** Mills CR @ CR 108

**Comments:**

**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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2/7/2022 | 1300 EST | 7.6 | 68.3 | 10.6 | 4.82 | 0.05 | 0.12 ☒ VOB (S) | 0.12 | 55.6 | 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)** | ☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | ☐ce ☐$H_2SO_4$* | ☐<2 | | |
| | **Lot #** | **Exp:** | | | |
| **Metals (P-500ML)** | ☒ W-ICPMS ☒ W-ICP ☒ W-HARD | x☐ce x☐$HNO_3$* | ☒<2 | 1 | B |
| | **Lot #** Na1105100 | **Exp:** 6/7/22 | | | |
| **Filtered Nutrients (P125ML)** | ☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter | ☐ Ice | | | |
| | **Filter Lot #** | **Syringe Lot #** | | | |
| **BOD (BP-1L)** | ☐ OV-BODUNIN | ☐ Ice | | | |
| **Chlorophyll (BP-1L)** | ☐ CHLSUITE-W | ☐ Ice | | | |
| **Physical/Aggregate (Fresh) (P-1L)** | ☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / TDS W-SO4-IC / W- | ☐ Ice | | | |
| **Physical/Aggregate (Marine) (P-1L)** | ☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY | ☐ Ice | | | |
| **Macroinvertebrates (PJ-2L)** | ☐ MI-FW-QLDC | ☐ Formalin | | | |
| **Periphyton (PT-50ML)** | ☐ ALGAE-ID | ☐ Ice | | | |
| **Microbiology (Contract Lab Bottle)** | x☐ Coli ☐ Coli ☐ Enterococci ☐ Contract Lab | ☒ Ice | | 1 | B |
| **Molecular (QPCR-P-500ML)** | ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ | ☐ Ice | | | |
| **Tracers (BG-500ML)** | ☐ W-E8321-DI ☐ W-E8321-MS | ☐ Ice | MCAA Exp. | | |
| **Pesticides (BG-500ML) (BG-1L)** | ☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-TR-SQ-R ☐ W-PCB-TQ-R | ☐ Ice | MCAA Lot# | | |
| **Phytoplankton/Periphyton** | ☐ DTY-QN-C ☐ PKD-QN-C | ☐ Ice | | | |

| Name: | Signature: | Date: |
|---|---|---|
| Jeremy Parrish<br>Kimberly Appleby | | 02/07/2022 |

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
# STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

| Meter Passed End of Day CCV Yes / No |
|---|

**WIN Station Name:** Mills CR @ CR 108 **Date:** 2/7/2022

**WIN/Field ID:** 19010096 **WBID:** 2120B **ENR:** - **Latitude:** 30.646

**County:** NASSAU **Org ID:** 21FLA **Longitude:** -81.95

**Receiving Body of Water:** Nassau - St. Marys **RQ-** 2022-01-31-17

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| [x] Jeremy Parrish | x | | x | | |
| [x] Kimberly Appleby | | x | | x | x |
| [ ] | | | | | |
| [ ] | | | | | |

**Sampling Equipment**

- [x] Sample Container
- [ ] Dipper
- [ ] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [x] Pole

Depth measured with: Meter

Secchi Equipment ID:

**Collection Method**

- [ ] Wading
- [x] From Shore
- [ ] Other
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

**Water Level:** [x] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

**Meter ID#** BRUCE

**Photos:** YES **Flow:** FLOW **Tide:**

**Tide Times:** High: Low:

**Biological Samples Collected:** [x] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

**SBIO ID Numbers:**

**Notes:**

OVERCAST

## Duplicate Sample

**Time Zone:** EST **Time:** **Field ID:** N/A (WIN ID_DUP)

**WIN DMT Activity ID:**

## Blank

**Time Zone:** **Time:** **Field ID:** (Blank Type_DDMMYYYY)

**DI Source:** **Location:**

**DI Type:** **Equipment ID:**

**DI Container (Name/ID):** **DI Container Type:**

**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-**2022-01-31-17
**Customer:** WQAP
**Project ID:** SMP

Collected By: Jeremy Parrish, Kimberly Appleby
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:**

**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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2/7/2022 | 1410 EST | 8.63 | 78.4 | 10.9 | 5.82 | 0.15 | 0.377 ☒ VOB (S) | 0.377 | 80 | 0.04 |
| | | | | | | | 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)** | ☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | ☐ Ice ☐ $H_2SO_4$* | ☐ <2 | | |
| | **Lot #** | **Exp:** | | | |
| **Metals (P-500ML)** | ☒ W-ICPMS ☒ W-ICP ☒ W-HARD | x☐ Ice x☐ $HNO_3$* | ☒ <2 | 1 | B |
| | **Lot #** Na1105100 | **Exp:** 6/7/22 | | | |
| **Filtered Nutrients (P125ML)** | ☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter | ☐ Ice | | | |
| | **Filter Lot #** | **Syringe Lot #** | | | |
| **BOD (BP-1L)** | ☐ OV-BODUNIN | ☐ Ice | | | |
| **Chlorophyll (BP-1L)** | ☐ CHLSUITE-W | ☐ Ice | | | |
| **Physical/Aggregate (Fresh) (P-1L)** | ☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / TDS / W-SO4-IC / W- | ☐ Ice | | | |
| **Physical/Aggregate (Marine) (P-1L)** | ☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY | ☐ Ice | | | |
| **Macroinvertebrates (PJ-2L)** | ☐ MI-FW-QLDC | ☐ Formalin | | | |
| **Periphyton (PT-50ML)** | ☐ ALGAE-ID | ☐ Ice | | | |
| **Microbiology (Contract Lab Bottle)** | x☐ E Coli ☐ F Coli ☐ Enterococci ☐ Contract Lab | ☒ Ice | | 1 | B |
| **Molecular (QPCR-P-500ML)** | ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ | ☐ Ice | | | |
| **Tracers (BG-500ML)** | ☐ W-E8321-DI ☐ W-E8321-MS | ☐ Ice | MCAA Exp. | | |
| **Pesticides (BG-500ML) (BG-1L)** | ☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-TR-SQ-R ☐ W-PCB-TQ-R | ☐ Ice | MCAA Lot# | | |
| **Phytoplankton/Periphyton** | ☐ DTY-QN-C ☐ PKD-QN-C | ☐ Ice | | | |

**Name:** Jeremy Parrish, Kimberly Appleby

**Signature:**

**Date:** 02/07/2022

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
# STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

| Meter Passed End of Day CCV Yes / No |
|---|

**WIN Station Name:** MILLS CREEK AT US 301/US1 **Date:** 2/7/2022

**WIN/Field ID:** 19020048 **WBID:** 2120B **ENR:** - **Latitude:** 30.63891

**County:** NASSAU **Org ID:** 21FLA **Longitude:** -81.86306

**Receiving Body of Water:** Nassau - St. Marys **RQ-** 2022-01-31-17

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| [x] Jeremy Parrish | x | | x | | |
| [x] Kimberly Appleby | | x | | x | x |
| [ ] | | | | | |
| [ ] | | | | | |

**Sampling Equipment**

- [x] Sample Container
- [ ] Dipper
- [ ] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [x] Pole

Depth measured with: Meter

Secchi Equipment ID:

**Collection Method**

- [ ] Wading
- [x] From Shore
- [ ] Other
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

**Water Level:** [X] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

**Meter ID#** BRUCE

**Photos:** YES **Flow:** FLOW **Tide:**

**Tide Times:** High: Low:

**Biological Samples Collected:** [X] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

**SBIO ID Numbers:**

**Notes:**

## Duplicate Sample

**Time Zone:** EST **Time:** **Field ID:** N/A (WIN ID_DUP)

**WIN DMT Activity ID:**

## Blank

**Time Zone:** **Time:** **Field ID:** (Blank Type_DDMMYYYY)

**DI Source:** **Location:**

**DI Type:** **Equipment ID:**

**DI Container (Name/ID):** **DI Container Type:**

**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-**2022-01-31-17
**Customer:** WQAP
**Project ID:** SMP

Collected By: Jeremy Parrish, Kimberly Appleby
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here

**WIN ID/Field ID:** 19010046

**Location:** LITTLE ST. MARYS @ CR 121A

**Comments:**

**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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2/7/2022 | 1025 EST | 8.78 | 77.3 | 9.6 | 6.62 | 0.3 | 0.8 ☐ VOB (S) | 0.9 | 153 | 0.07 |
| | | | | | | | 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)** | ☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | x☐ce x☐$H_2SO_4$* | x☐<2 | 1 | A |
| | **Lot #** Sa1105060 **Exp:** | 4/30/22 | | | |
| **Metals (P-500ML)** | ☒ W-ICPMS ☒ W-ICP ☒ W-HARD | x☐ce x☐$HNO_3$* | x☐<2 | 1 | A |
| | **Lot #** Na1105100 **Exp:** | 6/7/22 | | | |
| **Filtered Nutrients (P125ML)** | ☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter | x☐ Ice | | 1 | A |
| | **Filter Lot #** R1eb01329 | **Syringe Lot #** | | | |
| **BOD (BP-1L)** | ☐ OV-BODUNIN | ☐ Ice | | | |
| **Chlorophyll (BP-1L)** | ☒ CHLSUITE-W | x☐ Ice | | 1 | A |
| **Physical/Aggregate (Fresh) (P-1L)** | x☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS | x☐ Ice | | 1 | A |
| **Physical/Aggregate (Marine) (P-1L)** | ☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY | ☐ Ice | | | |
| **Macroinvertebrates (PJ-2L)** | ☐ MI-FW-QLDC | ☐ Formalin | | | |
| **Periphyton (PT-50ML)** | ☐ ALGAE-ID | ☐ Ice | | | |
| **Microbiology (Contract Lab Bottle)** | x☐ E Coli ☐ T Coli ☐ Enterococci ☐ Contract Lab | ☒ Ice | | 1 | A |
| **Molecular (QPCR-P-500ML)** | ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ | ☐ Ice | | | |
| **Tracers (BG-500ML)** | ☐ W-E8321-DI ☐ W-E8321-MS | ☐ Ice | MCAA Exp. | | |
| **Pesticides (BG-500ML) (BG-1L)** | ☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-TQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-TR-SQ-R ☐ W-PCB-TQ-R | ☐ Ice | MCAA Lot# | | |
| **Phytoplankton/Periphyton** | ☐ DTY-QN-C ☐ PKD-QN-C | ☐ Ice | | | |

**Name:** Jeremy Parrish, Kimberly Appleby

**Signature:**

**Date:** 02/07/2022

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
# STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

| Meter Passed End of Day CCV Yes / No |
|---|

**WIN Station Name:** LITTLE ST. MARYS @ CR 121A **Date:** 2/7/2022

**WIN/Field ID:** 19010046 **WBID:** 2106 **ENR:** - **Latitude:** 30.70295

**County:** NASSAU **Org ID:** 21FLA **Longitude:** -81.81195

**Receiving Body of Water:** Nassau - St. Marys **RQ-** 2022-01-31-17

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| [x] Jeremy Parrish | x | | x | | |
| [x] Kimberly Appleby | | x | | x | x |
| [ ] | | | | | |
| [ ] | | | | | |

**Sampling Equipment**

- [x] Sample Container
- [ ] Dipper
- [ ] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [x] Pole

Depth measured with: Meter

Secchi Equipment ID:

**Collection Method**

- [x] **Wading**
- [ ] **From Shore**
- [ ] **Other** _____
- [ ] **Canoe/Kayak**
- [ ] **Electric Motor**
- [ ] **Gasoline Motor**

**Water Level:** [X] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

**Meter ID#** BRUCE

**Photos:** YES **Flow:** FLOW **Tide:**

**Tide Times:** High: Low

**Biological Samples Collected:** [X] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

**SBIO ID Numbers:**

**Notes:**

OVERCAST

## Duplicate Sample

**Time Zone:** EST **Time:** _____ **Field ID:** _____ (WIN ID_DUP)

**WIN DMT Activity ID:** _____

## Blank

**Time Zone:** _____ **Time:** _____ **Field ID:** _____ (Blank Type_DDMMYYYY)

**DI Source:** _____ **Location:** _____

**DI Type:** _____ **Equipment ID:** _____

**DI Container (Name/ID):** **DI Container Type:**

**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-2022-01-31-17



Date of Request: 04-JAN-2022
Created By: PARRISH_J On: 04-JAN-2022
Modified By: JASROTIA_P On: 12-JAN-2022
Customer: NE-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Northeast District
Event Description: Nassau North 2

**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: AYRES_J On: 12-JAN-2022
Biology Request Reviewed By: JASROTIA_P On: 12-JAN-2022
Sampling Kit Required: YES Ship on: 21-JAN-2022
Sampling Kit Shipped: YES On: 18-JAN-2022
Sampling Kit Packed By: MCCOY_I
Preservatives Needed: YES
Date to Receive Samples: 31-JAN-2022
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) Metal, Bacteria
Group C:(Surf.Fresh) Metal

Packing Notes:
1 case H2SO4
1 caes HNO3

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

Bottle Type: P-1L Number of Bottles: 3 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 | (DEP SOP: NU-094-1) 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: 3 Preserved With: ICE

| | | |
|---|---|---|
| CHLSUITE-W | Template: DEFAULT | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

Bottle Type: P-250ML-WO-THI Number of Bottles: 3 Preserved With: ICE

| | | |
|---|---|---|
| ECOLI-18QT | Template: DEFAULT | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |

Bottle Type: P-500ML Number of Bottles: 3 Preserved With: HNO3

| | | |
|---|---|---|
| W-HARD | Template: DEFAULT | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3 |
| Hardness | | |

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

Bottle Type: P-500ML Number of Bottles: 3 Preserved With: HNO3

| | | |
|---|---|---|
| W-ICP | Template: | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| | Barium | |
| | Calcium | |
| | Iron | |
| | Magnesium | |
| | Manganese | |
| | 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: 3 Preserved With: ICE And H2SO4

| | | |
|---|---|---|
| W-NH3 | Template: DEFAULT | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L |
| W-NO2NO3 | Template: DEFAULT | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L |
| W-S-A-TP | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN | Template: DEFAULT | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices |
| W-TOC | Template: DEFAULT | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices |

Bottle Type: P-125ML Number of Bottles: 3 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 4 Samples:

Bottle Type: P-250ML-WO-THI Number of Bottles: 4 Preserved With: ICE

| | | |
|---|---|---|
| ECOLI-18QT | Template: DEFAULT | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |

Bottle Type: P-500ML Number of Bottles: 4 Preserved With: HNO3

| | | |
|---|---|---|
| W-HARD | Template: DEFAULT | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3 |
| 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 | |
| | Iron | |
| | Magnesium | |
| | Manganese | |
| | 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 | |

## Bottle Group B (Water) With 4 Samples:

Bottle Type: P-500ML Number of Bottles: 4 Preserved With: HNO3

| | | |
|---|---|---|
| W-ICPMS | Template: | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |

- Lead
- Nickel
- Selenium
- Silver
- Thallium

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

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: HNO3

| | | |
|---|---|---|
| W-HARD | Template: DEFAULT | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3 |

- 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
- Iron
- Magnesium
- Manganese
- 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

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