# Login Checklist

RQ-2021-01-18-17

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: TR 01/21/2021 09:40

| *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 | |
| 1.2°C | | | | 13 | | X | | | 9293 8009 3213 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**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 ____

**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: TLynn

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: TLynn

**W-1-4-DIOX *(Green dot on container)* preserved to pH<4.0? Yes ____ No ____ NA X Init: TLynn

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

**Coolers Unpacked/Checked by:** Tyler Reynolds **Date:** 01/21/2021 **Event contains NCRs (Y/N)?** None

**Event ID:** Callahan 2021
NE-DIST-2021-01-21-01 (SMP)
Date Received: 21-JAN-2021 09:40

# Login Checklist

| Login Preservation Equipment | Lot # & Exp: Date |
|---|---|
| **Infrared Thermometer ID:** | #4 Temp Gun EXP:10/28/2021 |
| **pH Test Strips 0 – 6** | N/A |
| **pH Paper 0 – 3** | N/A |
| **pH Paper 0 – 13** | 231019 EXP:11/01/2022 |
| **Chlorine Test Strips** | 8261 EXP:07/2021 |

**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:** 1/20/2021
**Customer:** NE-DIST
**RQ:** RQ-2021-01-18-17

**Collected By:** Jeremy Parrish, Kelly McDonald
**Sampling Agency:** FDEP
**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:** 1

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

| Site Location | Field ID/WIN ID |
|---|---|
| Cushing Cr @ Us 1 | NE400001 |
| Cushing Creek At Lem Turner Rd. | G4NE0306 |
| Thomas Cr 4 Mi Below City Prison | 19020033 |
| FB | FB_012021 |
| Thomas Creek 5 Miles Down From Ethel | G4NE0298 |

**RELINQUISHED BY(SIGNATURE):** Jeremy Parrish **DATE/TIME:** 1/21/2021

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:** Tyler Reynolds **Rec'd/Inspected Date:** 01/21/2021

## 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: Stitch RQ- 2021-01-18-17 Project: Callahan

**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. | JParnell | 1/20/21 | 745 | 19.9 | 770 | 9.20 | 9.23 | 101.3 | — | 1.032 | P / F | L / F |
| ICV | " | " | 746 | 19.9 | 770 | 9.20 | 9.24 | 101.3 | — | 1.032 | P / F | L / F |
| CCV | JParnell | 1/20/21 | 1425 | 21.1 | 765 | 9.0 | 8.89 | 99.6 | — | 1.054 | 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. | JParnell | 1/20/21 | 747 | 20122213 | 1/22 | 1000 | 1000 | P / F | L / F |
| ICV | " | " | 748 | 20010LA | 9/21 | 100 | 102.7 | P / F | L / F |
| CCV | JParnell | 1/20/21 | 1427 | 20090LC | 9/21 | 1413 | 1411 | 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. | JParnell | 1/20/21 | 749 | 20061552 | 6/22 | 7. | 21.1 | 7.02 | -175 | P / F | L / F |
| Calibr. | " | " | 752 | 29126711 | 12/21 | 4. | 21.1 | 4.00 | 161.0 | P / F | L / F |
| Calibr. | " | " | 753 | 20061528 | 12/21 | 10. | 21.0 | 10.05 | -187.5 | P / F | L / F |
| ICV | " | " | 754 | 29126711 | 12/21 | 4. | 21.1 | 4.10 | 154.7 | P / F | L / F |
| CCV | JParnell | 1/20/21 | 1430 | 20061528 | 12/21 | 10. | 21.5 | 10.16 | -176.4 | P / F | L / F |
| CCV | | | | | | | | | | 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 _____, 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 | JParnell | 1/20/21 | 959 | 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:**

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

January 2020

Meter Passed End of Day CCV
Yes / No

**WIN Station Name:** Cushing Cr @ Us 1 **Date:** 1/20/2021

**WIN/Field ID:** NE400001 **WBID:** 2162 **ENR:** **Latitude:** 30.5412

**County:** NASSAU **Org ID:** 21FLA **Longitude:** -81.8137

**Receiving Body of Water:** Nassau - St. Marys **RQ-** 2021-01-18-17

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| [x] Jeremy Parrish | | x | | x | x |
| [x] Kelly McDonald | x | | 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#** STITCH

**Photos:** No **Flow:** FLOW **Tide:** N/A **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:** EST **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-**2021-01-18-17
**Customer:** WQAP
**Project ID:** SMP

Collected By: Jeremy Parrish, Kelly McDonald
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here

**WIN ID/Field ID:** NE400001

**Location:** Cushing Cr @ Us 1

**Comments:**

**Matrix:** Fresh

(Check one) ☒ GRAB ☐ COMPOSITE

| Date | Time | DO (mg/L) | DO (%SAT) | Temp. (C⁰) | pH | Sample Depth (m) | Secchi Disk (m) | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPTh) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/20/2021 | 1245 EST | 8.23 | 73.1 | 9.9 | 6.79 | 0.1 | 0.1 ☐ VOB (S) | 0.2 | 194.1 | 0.09 |
| | | | | | | 2.0 | 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<br>Lot # Exp: | ☐ Ice ☐ $H_2SO_4$* | ☐ <2 | | |
| Metals (P-500ML) | ☐ W-ICPMS ☐ W-ICP ☐ W-HARD<br>Lot # Exp: | ☐ Ice ☐ $HNO_3$* | ☐ <2 | | |
| Filtered Nutrients (P125ML) | ☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter<br>Filter Lot #<br>Syringe Lot # | ☐ 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 ☐ F Coli ☐ Enterococci<br>☒ Contract Lab | ☒ Ice | | 1 | D |
| Molecular (QPCR-P-500ML) | ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3<br>☐ PCR-GULL2 ☐ PCR-GFD ☐ | ☐ Ice | | | |
| Tracers (BG-500ML) | ☐ W-E8321-DI ☐ W-E8321-MS | ☐ Ice | | | |
| Pesticides (BG-500ML) (BG-1L) | ☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R<br>☐ W-PCL-SQ-R ☐ W-CARB-AA ( 5 ml of MCAA** Buffer Solution) ☐ W-DIELDRIN | ☐ Ice | | | |
| Phytoplankton/Periphyton | ☐ DTM-QL-C ☐ PEN-QL-C ☐ DTY-QN-C ☐ PKD-QN-C<br>☐ DTM-QN-C ☐ PRN-QN-C ☐ PKD-QN-BV | ☐ Ice | | | |

**Name:** Jeremy Parrish, Kelly McDonald

**Signature:** Jeremy Parrish

**Date:** 1/21/2021

*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:** Cushing Creek At Lem Turner Rd. **Date:** 1/20/2021

**WIN/Field ID:** G4NE0306 **WBID:** 2162 **ENR:** **Latitude:** 30.55999999

**County:** NASSAU **Org ID:** 21FLA **Longitude:** -81.8195

**Receiving Body of Water:** Nassau - St. Marys **RQ-** 2021-01-18-17

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| [x] Jeremy Parrish | | x | | x | x |
| [x] Kelly McDonald | x | | 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#** STITCH

**Photos:** No **Flow:** FLOW **Tide:** N/A **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:** EST **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-2021-01-18-17
Customer: WQAP
Project ID: SMP

Collected By: Jeremy Parrish, Kelly McDonald
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID: G4NE0306

Location: Cushing Creek At Lem Turner Rd.

Comments: Microbiology sample(s) submitted to contract lab

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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/20/2021 | 1210 EST | 8.6 | 75.1 | 9.2 | 6.96 | 0.3 | 0.8 ☐ VOB (S) | 1.166 | 241 | 0.12 |
| | | | | | | 2.0 | 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 | 1 | C |
| | Lot # sa0293040 Exp: | 10/21 | | | |
| Metals (P-500ML) | ☐ W-ICPMS ☐ W-ICP ☐ W-HARD | ☐ Ice ☐ $HNO_3$* | ☐ <2 | | |
| | Lot # Exp: | | | | |
| Filtered Nutrients (P125ML) | ☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter | ☒ Ice | | 1 | C |
| | Filter Lot # | | | | |
| | Syringe Lot # | | | | |
| Chlorophyll (BP-1L) | ☒ CHLSUITE-W | ☒ Ice | | 1 | C |
| Physical/Aggregate (Fresh) (P-1L) | ☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS | ☒ Ice | | 1 | C |
| 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 ☐ F Coli ☐ Enterococci ☒ Contract Lab | ☒ Ice | | 1 | C |
| 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 | | | |
| Pesticides (BG-500ML) (BG-1L) | ☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA ( 5 ml of MCAA** Buffer Solution) ☐ W-DIELDRIN | ☐ Ice | | | |
| Phytoplankton/Periphyton | ☐ DTM-QL-C ☐ PEN-QL-C ☐ DTY-QN-C ☐ PKD-QN-C ☐ DTM-QN-C ☐ PRN-QN-C ☐ PKD-QN-BV | ☐ Ice | | | |

Name: Jeremy Parrish, Kelly McDonald

Signature: Jeremy Parrish

Date: 1/21/2021

*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:** Thomas Cr 4 Mi Below City Prison **Date:** 1/20/2021

**WIN/Field ID:** 19020033 **WBID:** 2161B **ENR:** **Latitude:** 30.572194

**County:** NASSAU **Org ID:** 21FLA **Longitude:** -81.721872

**Receiving Body of Water:** Nassau - St. Marys **RQ-** 2021-01-18-17

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

**Sampling Equipment**

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

Depth measured with: Sonar

Secchi Equipment ID:

**Collection Method**

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

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

**Meter ID#** STITCH

**Photos:** No **Flow:** FLOW **Tide:** FALLING **Tide Times:** High: 1729 Low: 1144

**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:** EST **Time:** 1040 **Field ID:** FB_012021 (Blank Type_DDMMYYYY)

**DI Source:** NEROC **Location:** Thomas Creek 4 miles below city prison

**DI Type:** FB **Equipment ID:** Cargirl

**DI Container (Name/ID):** Carboy **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-**2021-01-18-17
**Customer:** WQAP
**Project ID:** SMP

Collected By: Jeremy Parrish, Kelly McDonald
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here

**WIN ID/Field ID:** 19020033

**Location:** Thomas Cr 4 Mi Below City Prison

**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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/20/2021 | 1035 EST | 8.61 | 75.3 | 9.4 | 6.59 | 0.3 | 0.6 ☐ VOB (S) | 4.5 | 158 | 0.08 |
| | | | | | | 2 | Central Lab please use top row for login purposes | | | |
| | 1030 EST | 8.59 | 75.1 | 9.4 | | 4 | | | 158 | 6.58 |

| 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 | 1 | A |
| | Lot # SA0293040 Exp: 10/19/21 | | | | |
| Metals (P-500ML) | ☐ W-ICPMS ☐ W-ICP ☐ W-HARD | ☐ Ice ☐ $HNO_3$* | ☐ <2 | | -- |
| | Lot # NA0038050 Exp: 2/7/21 | | | | |
| Filtered Nutrients (P125ML) | ☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter | ☒ Ice | | 1 | A |
| | Filter Lot # R9R0CB4867 | | | | |
| | Syringe Lot # | | | | |
| Chlorophyll (BP-1L) | ☒ CHLSUITE-W | ☒ Ice | | 1 | A |
| 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 | | 1 | A |
| Macroinvertebrates (PJ-2L) | ☐ MI-FW-QLDC | ☐ Formalin | | | |
| Periphyton (PT-50ML) | ☐ ALGAE-ID | ☐ Ice | | | |
| Microbiology (Contract Lab Bottle) | ☐ E Coli ☐ F 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 | | | |
| Pesticides (BG-500ML) (BG-1L) | ☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-DIELDRIN | ☐ Ice | | | |
| Phytoplankton/Periphyton | ☐ DTM-QL-C ☐ PEN-QL-C ☐ DTY-QN-C ☐ PKD-QN-C ☐ DTM-QN-C ☐ PRN-QN-C ☐ PKD-QN-BV | ☐ Ice | | | |

Name: Jeremy Parrish, Kelly McDonald

Signature: Jeremy Parrish

Date: 1/21/2021

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

**RQ-** 2021-01-18-17
**Customer:** WQAP
**Project ID:** SMP

**Collected By:** Jeremy Parrish, Kelly McDonald
**Field Report Prepared By:** Jeremy Parrish, Kelly McDonald
**Sampling Agency:** FDEP

# BLANK

**Field ID:** FB 012021

**Comments:**

**Matrix:** FB

(Check one) ☐ COMPOSITE ☒ GRAB

| Date | Time |
|---|---|
| 1/20/2021 | 1040 EST |

**DI Source:** NEROC

| 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 ☒ H2SO4 | ☒ <2 | 1 | E |
| | **Lot #** | **Exp:** | | | |
| **Metals (P-500ML)** | ☒ W-ICPMS ☒ W-ICP | ☒ Ice ☒ H2SO4 | ☒ <2 | 1 | E |
| | **Lot #** NA0038050 | **Exp:** 2/7/21 | | | |
| **Filtered Nutrients (P125ML)** | ☒ W-PO4-F Filter ☒ Field Filtered 0.45 µm | ☒ Ice | | 1 | E |
| | **Filter Lot #** R9R0CB4867 | | | | |
| | **Syringe Lot #** | | | | |
| **Physical/Aggregate (Fresh) (P-1L)** | ☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-IC / TDS | ☐ Ice | | | |
| **Physical/Aggregate (Marine) (P-1L)** | ☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY | ☒ Ice | | 1 | E |
| **Tracers (BG-500ML)** | ☐ W-E8321-DI ☐ W-E8321-MS | ☐ Ice | | | |
| **Pesticides (BG-500ML) (BG-1L)** | ☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-DIELDRIN | ☐ Ice | | | |
| | | | | | |

**Name:** Jeremy Parrish, Kelly McDonald

**Signature:** Jeremy Parrish

**Date:** 1/21/2021

*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:** Thomas Creek 5 Miles Down From Ethel **Date:** 1/20/2021

**WIN/Field ID:** G4NE0298 **WBID:** 2161B **ENR:** **Latitude:** 30.56604

**County:** NASSAU **Org ID:** 21FLA **Longitude:** -81.710027

**Receiving Body of Water:** Nassau - St. Marys **RQ-** 2021-01-18-17

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

**Sampling Equipment**

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

Depth measured with: Sonar

Secchi Equipment ID:

**Collection Method**

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

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

**Meter ID#** STITCH

**Photos:** NO **Flow:** FLOW **Tide:** FALLING **Tide Times:** High: 1729 Low: 1144

**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:** EST **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-**2021-01-18-17
**Customer:** WQAP
**Project ID:** SMP

Collected By: Jeremy Parrish, Kelly McDonald
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here

**WIN ID/Field ID:** G4NE0298

**Location:** Thomas Creek 5 Miles Down From Ethel

**Comments:** Microbiology sample(s) submitted to contract lab

**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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/20/2021 | 1025 EST | 8.61 | 75.8 | 9.7 | 6.65 | 0.3 | 0.5 ☐ VOB (S) | 1.6 | 169.8 | 0.08 |
| | 1026 EST | 8.61 | 75.7 | 9.7 | 6.49 | 1.1 | Central Lab please use top row for login purposes | | 169.7 | 0.08 |

| 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 | ☒ Ice ☒ $HNO_3$* | ☒ <2 | 1 | B |
| | **Lot #** NA0038050 | **Exp:** 2/7/21 | | | |
| **Filtered Nutrients (P125ML)** | ☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter | ☐ Ice | | | |
| | **Filter Lot #** | | | | |
| | **Syringe Lot #** | | | | |
| **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 ☐ 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 | | | |
| **Pesticides (BG-500ML) (BG-1L)** | ☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-DIELDRIN | ☐ Ice | | | |
| **Phytoplankton/Periphyton** | ☐ DTM-QL-C ☐ PEN-QL-C ☐ DTY-QN-C ☐ PKD-QN-C ☐ DTM-QN-C ☐ PRN-QN-C ☐ PKD-QN-BV | ☐ Ice | | | |

**Name:**
Jeremy Parrish
Kelly McDonald

**Signature:**

**Date:**

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

# CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR #

ALS Contact: Mandy Sullivan

ALS Environmental

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

Page 1 of 1

| Client Name | Project Number |
|---|---|
| FDEP-NE ROC | RQ-~~2020~~ 2021 - 01-18-17 |
| **Report To** | **Report CC** |
| Dep-Overflowmicro@dep.state.fl.us | |
| **Company/Address** | |
| 8800 Baymeadows Way W<br>Jacksonville, Fl 32256 | |
| **Phone #** | **FAX #** |
| 904-256-1700 | |
| **Sampler's Signature** | **Sampler's Printed Name** |
| Kelly a McDonald | Kelly McDonald |

**ANALYSIS REQUESTED (Include Method Number and Container Preservative)**

| CLIENT SAMPLE ID | LAB ID | SAMPLING DATE | SAMPLING TIME | Matrix | NUMBER OF CONTAINERS | E.Coli | Enterococci | Preservative Key | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | preservat | 8 | 8 | 0. None<br>1. HCl<br>2. HNO3<br>3. H2SO4<br>4. NaOH<br>5. Zn. Acetate<br>6. MeOH<br>7. NaHSO4<br>8. ICE | |
| G4NE0298 | | 1/20 | 1025 | SW | 1 | | X | | Fresh |
| 19020033 | | ↓ | 1035 | ↓ | 1 | | X | | ↓ |
| G4NE0306 | | | 1210 | | 1 | X | | | |
| NE400001 | | ↓ | 1245 | ↓ | 1 | X | | | |

**Special Instructions/Comments:** Email Report to: Dep-Overflowmicro@dep.state.fl.us

3.6

**TURNAROUND REQUIREMENTS**

___ RUSH (SURCHARGES APPLY)

X STANDARD

REQUESTED FAX DATE
N/A

REQUESTED REPORT DATE
N/A

**REPORT REQUIREMENTS**

___ I. Results Only

___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

___ III. Results + QC and Calibration Summaries

___ IV. Data Validation Report with Raw Data

Edata ___ Yes ___ No

**INVOICE INFORMATION**

P.O. # ~~D10799~~

Bill to:

| Relinquished By | Received By | Relinquished By | Received By | Relinquished By | Received By |
|---|---|---|---|---|---|
| Signature: Kelly a McDonald | Signature: Valerie Spears | Signature | Signature | Signature | Signature |
| Printed Name: Kelly A McDonald | Printed Name: Valerie Spears | Printed Name | Printed Name | Printed Name | Printed Name |
| Firm: NE ROC FDEP | Firm: ALS | Firm | Firm | Firm | Firm |
| Date/Time: 1/20/21 1330 | Date/Time: 1/20/21 1330 | Date/Time | Date/Time | Date/Time | Date/Time |

# RQ-2021-01-18-17



Date of Request: 22-DEC-2020
Created By: PARRISH_J On: 22-DEC-2020
Modified By: JASROTIA_P On: 23-DEC-2020
Customer: NE-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Northeast District
Event Description: Callahan 2021

**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: 23-DEC-2020
Biology Request Reviewed By: JASROTIA_P On: 23-DEC-2020
Sampling Kit Required: YES Ship on: 08-JAN-2021
Sampling Kit Shipped: YES On: 07-JAN-2021
Sampling Kit Packed By: KLUG_K
Preservatives Needed: NO
Date to Receive Samples: 18-JAN-2021
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-Salt) Nutrients, Bacteria
Group B:(Surf-Salt) Metals, Bacteria
Group C:(Surf-Fresh Nutrients, Bacteria
Group D:(Surf.Fresh)Bacteria
Group E:(Blank)Nutrients, Metals

NE ALS-ENQ
NE-ALS-ECQ

Packing Notes:
None

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

Bottle Type: P-1L Number of Bottles: 1 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-BR-IC | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Bromide in aqueous matrices |
| W-F | Template: DEFAULT | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| 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: 1 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: 1 Preserved With: ICE

| | | |
|---|---|---|
| NE-ALS-ENQ | Template: DEFAULT | (ASTM D650399) Enterococci by Enterolert/QT by ALS in Jacksonville |

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: ICE And H2SO4

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

Bottle Type: P-125ML Number of Bottles: 1 Preserved With: FILTER-ICE

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

Bottle Type: P-125ML — Number of Bottles: 1 — 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 1 Samples:

Bottle Type: P-250ML-WI-THI — Number of Bottles: 1 — Preserved With: ICE

| | | |
|---|---|---|
| NE-ALS-ENQ | Template: DEFAULT | (ASTM D650399) Enterococci by Enterolert/QT by ALS in Jacksonville |

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

| | | |
|---|---|---|
| W-ICP | Template: | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |

Calcium
Iron
Magnesium
Manganese
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 |

Aluminum
Antimony
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
Nickel
Selenium
Silver
Thallium

## 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 |

Bottle Type: P-500ML — Number of Bottles: 1 — Preserved With: ICE And H2SO4

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

Bottle Type: P-125ML — Number of Bottles: 1 — 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: 1 — 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: 1 — Preserved With: ICE

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

## Bottle Group D (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 |

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

Bottle Type: P-1L — Number of Bottles: 1 — 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 |

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

| | | |
|---|---|---|
| Bottle Type: P-1L | Number of Bottles: 1 | Preserved With: ICE |
| W-BR-IC | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Bromide in aqueous matrices |
| W-F | Template: DEFAULT | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-TSS | Template: DEFAULT | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample |
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3 |
| W-ICP | Template: | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium | | |
| Iron | | |
| Magnesium | | |
| Manganese | | |
| 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 |
| Aluminum | | |
| Antimony | | |
| Arsenic | | |
| Beryllium | | |
| Cadmium | | |
| Chromium | | |
| Copper | | |
| Lead | | |
| Nickel | | |
| Selenium | | |
| Silver | | |
| Thallium | | |
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4 |
| W-NH3 | Template: DEFAULT | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L |
| W-NO2NO3 | Template: DEFAULT | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L |
| W-S-A-TP | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN | Template: DEFAULT | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices |
| W-TOC | Template: DEFAULT | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices |
| Bottle Type: P-125ML | Number of Bottles: 1 | 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 |

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