

RQ-2021-11-15-20

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 11/4/2021 9:20

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |                  | Number of Sample Containers in Cooler | Evidence Tape |          |          |     | Waybill Tracking #               |
|---------------------|-----------------|----------------------------------------|------------------|---------------------------------------|---------------|----------|----------|-----|----------------------------------|
|                     |                 | YES                                    | HNO <sub>3</sub> |                                       | Formalin      | Present? | *Intact? | Yes |                                  |
| 0.7<br>0.8          |                 |                                        |                  | 15 12                                 |               |          |          |     | 9225 5541 4006<br>5225 5541 4017 |
|                     |                 |                                        |                  |                                       |               |          |          |     |                                  |
|                     |                 |                                        |                  |                                       |               |          |          |     |                                  |
|                     |                 |                                        |                  |                                       |               |          |          |     |                                  |
|                     |                 |                                        |                  |                                       |               |          |          |     |                                  |
|                     |                 |                                        |                  |                                       |               |          |          |     |                                  |
|                     |                 |                                        |                  |                                       |               |          |          |     |                                  |
|                     |                 |                                        |                  |                                       |               |          |          |     |                                  |

## 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 °C (above 10.0 °C 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: IM

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 &lt; 2.0?

Yes ☒ No ☐ NA ☐ Init: IM

\*\*W-1-4-DIOX (Green dot on container) preserved to pH &lt; 4.0?

Yes ☐ No ☐ NA ☒ Init: IM

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

Coolers Unpacked/Checked by: IM

Date: 11/4/2021

Event contains NCRs (Y/N)? ☒

Event ID:

Vilano Boat

NE-DIST-2021-11-04-01 (SMP)

Date Received: 04-NOV-2021 09:20

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                             |
|--------------------------|-----------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #2 exp:10/19/22 |
| pH Test Strips 0 – 6     |                             |
| pH Paper 0 – 3           |                             |
| pH Paper 0 – 13          | 219019 exp: 7/1/22          |
| Chlorine Test Strips     | 0070 exp: 02/2023           |

### 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:** 11/3/2021 **Collected By:** Jeremy Parrish, Kimberly Appleby  
**Customer:** NE-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2021-11-15-20 **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                                                                                  |
|--------------------------------------------|--------------------------------------------------------------------------------------------------|
| XIMANIES CREEK @ 1ST SE BEND               | <br>27010053   |
| XIMANIES CR ~ 1 MI UPSTRM OF MOUTH         | <br>27010968   |
| SOMBRERO CREEK 50M BELOW FORK              | <br>27010054 |
| SALT RUN OFFSHORE FROM ANASTASIA<br>ISLAND | <br>27010137 |
| SALT RUN OFFSHORE FROM LIGHTHOUSE          | <br>27010138 |
| St. Augustine Inlet SE of Vilano Bt.Rmp.   | <br>G5NE0587 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 11/3/2021  
1600EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:



Rec'd/Inspected Date:

11/4/21

# 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: YCI P-51 RQ: 2021-11-15-20 Project: SMP Vilano

- 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 8/16/21

| 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. Parnick  | 11/3/21 | 733        | 21.5    | 763.5           | 8.9             | 8.9             | 100.5 | —            | 1.07       | P/F         | L/F         |
| ICV                | L           | 11/3/21 | 734        | 21.5    | 763.6           | 8.9             | 8.87            | 100.5 | —            | 1.07       | P/F         | L/F         |
| CCV                | Kim Appichy | ↓       | 1432       | 21.5    | 763.3           | 8.8             | 8.82            | 99.9  | —            | 1.07       | P/F         | L/F         |
| CCV                |             |         |            |         |                 | 8.9             |                 |       |              |            | 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 #   | Explr. Date | Standard µmhos/cm | Meter Reading µmhos/cm | Pass / Fail | Lab / Field |
|---------------------|-------------|---------|------------|---------|-------------|-------------------|------------------------|-------------|-------------|
| Calibr.             | J. Parnick  | 11/3/21 | 735        | 2109178 | 9/22        | 1000              | 1000                   | P/F         | L/F         |
| ICV                 | L           | 11/3/21 | 738        | 2104260 | 5/22        | 20000             | 19685                  | P/F         | L/F         |
| CCV                 | Kim Appichy | ↓       | 1442       | 2109178 | 9/22        | 50,000            | 49,760                 | P/F         | L/F         |
| CCV                 |             |         |            |         |             |                   |                        | P/F         | L/F         |

Conductivity Acceptance criteria ± 5%

| pH DEP SOP FT 1100 | Name        | Date    | Time CT-ET | Lot #   | Explr. Date | pH Buffer SU | Temp °C | Meter reading SU | mV     | Pass / Fail | Lab / Field |
|--------------------|-------------|---------|------------|---------|-------------|--------------|---------|------------------|--------|-------------|-------------|
| Calibr.            | J. Parnick  | 11/3/21 | 745        | 2107556 | 7/23        | 7.           | 22.0    | 7.01             | -24    | P/F         | L/F         |
| Calibr.            |             |         | 747        | 2107640 | 9/23        | 4.           | 22.0    | 4.00             | 156.3  | P/F         | L/F         |
| Calibr.            |             |         | 748        | 2012E08 | 6/22        | 10.          | 22.0    | 10.0             | 14.3   | P/F         | L/F         |
| ICV                |             |         | 749        | 2107640 | 7/23        | 4.           | 21.8    | 4.08             | 151.6  | P/F         | L/F         |
| CCV                | Kim Appichy | ↓       | 1445       | 2012E08 | 6/22        | 10.03        | 21.9    | 10.05            | -197.1 | 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 10 169 slope from 4 to 7 180.3 (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: 8/18/21

If NO, what will be used? (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. Parnick | 11/3/21 | 750        | 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:



RQ-2021-11-15-20

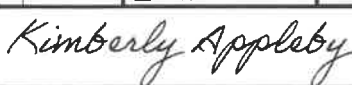
Customer: WQAP

Project ID: SMP

Collected By: Jeremy Parrish, Kimberly Appleby

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

| Place Label Here                                                                                               |             |                                                                                                                                                                              |           |            |      | Comments:                                                                                       |                                       |                                        |                       |                              |
|----------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------|-------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|-----------------------|------------------------------|
| WIN ID/Field ID: <br>G5NE0587 |             |                                                                                                                                                                              |           |            |      |                                                                                                 |                                       |                                        |                       |                              |
| Location: St. Augustine Inlet SE of Vilano Bt. Rmp.                                                            |             |                                                                                                                                                                              |           |            |      |                                                                                                 |                                       |                                        |                       |                              |
| Matrix: Marine                                                                                                 |             |                                                                                                                                                                              |           |            |      | (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 <sub>h</sub> ) |
| 11/3/2021                                                                                                      | 1145<br>EST | 6.86                                                                                                                                                                         | 97.9      | 23.3       | 8.03 | 0.3                                                                                             | 1<br><input type="checkbox"/> VOB (S) | 7.2                                    | 51482                 | 33.86                        |
|                                                                                                                |             |                                                                                                                                                                              |           |            |      |                                                                                                 |                                       |                                        |                       |                              |
|                                                                                                                | 1150<br>EST | 6.76                                                                                                                                                                         | 96.3      | 23.3       | 8.02 | 6.7                                                                                             |                                       |                                        | 51561                 | 33.93                        |
| 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 # Sa1105060 Exp: 4/30/22                                                              |           |            |      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4*              |                                       | <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-PQ4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter<br>Filter Lot # R1eb0139<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 type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                         |           |            |      | <input type="checkbox"/> Ice                                                                    |                                       |                                        |                       |                              |
| Physical/Aggregate (Marine) (P-1L)                                                                             |             | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                           |           |            |      | <input checked="" type="checkbox"/> Ice                                                         |                                       |                                        | 1                     | B                            |
| Macroinvertebrates (PJ-2L)                                                                                     |             | <input type="checkbox"/> MI-FW-QLDC Formalin Lot #                                                                                                                           |           |            |      | <input type="checkbox"/> Formalin                                                               |                                       |                                        |                       |                              |
| Periphyton (PT-50ML)                                                                                           |             | <input type="checkbox"/> ALGAE-ID                                                                                                                                            |           |            |      | <input type="checkbox"/> Ice                                                                    |                                       |                                        |                       |                              |
| Microbiology (Contract Lab Bottle)                                                                             |             | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci<br><input 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)                                                                                  |             | W-E8321-DI WE8321-MS W-PSNP-TQ W-CT-CL-R<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution)                                                                            |           |            |      | <input type="checkbox"/> Ice                                                                    |                                       |                                        |                       |                              |
| Phytoplankton/Periphyton                                                                                       |             | DTY-QN-C PKD-QN-BV                                                                                                                                                           |           |            |      | <input type="checkbox"/> Ice                                                                    |                                       |                                        |                       |                              |
| Name: Jeremy Parrish<br>Kimberly Appleby                                                                       |             |                                                                                                                                                                              |           |            |      | Signature:  |                                       |                                        | Date: 11/3/2021       |                              |

\*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 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: St. Augustine Inlet SE of Vilano Bt. Rmp.

Date: 11/3/2021

WIN/Field ID: G5NE0587

WBID: 2363H

ENR: ENRT2

Latitude: 29.9069

County: ST. JOHNS

Org ID: 21FLA

Longitude: -81.3

Receiving Body of Water: Upper East Coast

RQ- 2021-11-15-20

| 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 Appleby |                                     | <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: Sonar                           |                                                    |
| Secchi Equipment ID:                                 |                                                    |
| Collection Method                                    |                                                    |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor            |
| <input type="checkbox"/> Other                       | <input checked="" 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# DESI |                                 |
| Photos: NA                                                                                                                                                                                                                                                      | Flow: FLOW | Tide: FALLING  | Tide Times: High: 745 Low: 1345 |
| 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: | 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-2021-11-15-20

Customer: WQAP

Project ID: SMP

Collected By: Jeremy Parrish, Kimberly Appleby

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

| Place Label Here                                                                                               |             |                                                                                                                                                                              |           |            |      | Comments:                                                                                       |                                         |                                        |                       |                |
|----------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------|-------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------|-----------------------|----------------|
| WIN ID/Field ID: <br>27010138 |             |                                                                                                                                                                              |           |            |      |                                                                                                 |                                         |                                        |                       |                |
| Location: SALT RUN OFFSHORE FROM LIGHTHOUSE                                                                    |             |                                                                                                                                                                              |           |            |      |                                                                                                 |                                         |                                        |                       |                |
| Matrix: Marine                                                                                                 |             |                                                                                                                                                                              |           |            |      | (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) |
| 11/3/2021                                                                                                      | 1120<br>EST | 6.35                                                                                                                                                                         | 87.9      | 21.9       | 7.81 | 0.3                                                                                             | 0.6<br><input type="checkbox"/> VOB (S) | 3.1                                    | 50399                 | 33.08          |
|                                                                                                                |             |                                                                                                                                                                              |           |            |      |                                                                                                 |                                         |                                        |                       |                |
|                                                                                                                | 1122<br>EST | 6.2                                                                                                                                                                          | 84.6      | 21.9       | 7.81 | 2.6                                                                                             |                                         |                                        | 50472                 | 33.14          |
| 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 # S1105060 Exp: 4/30/22                                                               |           |            |      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4*              |                                         | <input checked="" type="checkbox"/> <2 | 1                     | A              |
| 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 # R1eb0139<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 type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS                                                                         |           |            |      | <input type="checkbox"/> Ice                                                                    |                                         |                                        |                       |                |
| Physical/Aggregate (Marine) (P-1L)                                                                             |             | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                           |           |            |      | <input checked="" type="checkbox"/> Ice                                                         |                                         |                                        | 1                     | A              |
| Macroinvertebrates (PJ-2L)                                                                                     |             | <input type="checkbox"/> MI-FW-QLDC Formalin Lot #                                                                                                                           |           |            |      | <input type="checkbox"/> Formalin                                                               |                                         |                                        |                       |                |
| Periphyton (PT-50ML)                                                                                           |             | <input type="checkbox"/> ALGAE-ID                                                                                                                                            |           |            |      | <input type="checkbox"/> Ice                                                                    |                                         |                                        |                       |                |
| Microbiology (Contract Lab Bottle)                                                                             |             | <input type="checkbox"/> E Coli <input checked="" type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab          |           |            |      | <input checked="" type="checkbox"/> Ice                                                         |                                         |                                        | 2                     | 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)                                                                                  |             | W-E8321-DI WE8321-MS W-PSNP-TQ W-CT-CL-R<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution)                                                                            |           |            |      | <input type="checkbox"/> Ice                                                                    |                                         |                                        |                       |                |
| Phytoplankton/Periphyton                                                                                       |             | DTY-QN-C PKD-QN-BV                                                                                                                                                           |           |            |      | <input type="checkbox"/> Ice                                                                    |                                         |                                        |                       |                |
| Name: Jeremy Parrish<br>Kimberly Appleby                                                                       |             |                                                                                                                                                                              |           |            |      | Signature:  |                                         |                                        | Date: 11/3/2021       |                |

\*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 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: SALT RUN OFFSHORE FROM LIGHTHOUSE

Date: 11/3/2021

WIN/Field ID: 27010138

WBID: 2502C

ENR: ENRT2

Latitude: 29.886

County: ST. JOHNS

Org ID: 21FLA

Longitude: -81.29

Receiving Body of Water: Upper East Coast

RQ- 2021-11-15-20

| Sampling Team Members               |                  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|------------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Jeremy Parrish   | x               |                   | x             |              |                    |
| <input checked="" type="checkbox"/> | Kimberly Appleby |                 | x                 |               | x            | x                  |
| <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: Sonar                           |                                                    |
| Secchi Equipment ID:                                 |                                                    |
| Collection Method                                    |                                                    |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor            |
| <input type="checkbox"/> Other                       | <input checked="" 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# DESI |                                 |
| Photos: NO                                                                                                                                                                                                                                                      | Flow: FLOW | Tide: FALLING  | Tide Times: High: 745 Low: 1345 |
| 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>GUSTY WIND                                                                                                                                                                                                                                            |            |                |                                 |

## 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-2021-11-15-20

Customer: WQAP

Project ID: SMP

Collected By: Jeremy Parrish, Kimberly Appleby

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

| Place Label Here                                                                                               |             |                                                                                                                                                                                                       |           |                                            |      | Comments:                                                                               |                                         |                             |                       |                |
|----------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------|------|-----------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------|-----------------------|----------------|
| WIN ID/Field ID: <br>27010137 |             |                                                                                                                                                                                                       |           |                                            |      |                                                                                         |                                         |                             |                       |                |
| Location: SALT RUN OFFSHORE FROM ANASTASIA ISLAND                                                              |             |                                                                                                                                                                                                       |           |                                            |      |                                                                                         |                                         |                             |                       |                |
| Matrix: Marine                                                                                                 |             |                                                                                                                                                                                                       |           |                                            |      | (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) |
| 11/3/2021                                                                                                      | 1105<br>EST | 6.58                                                                                                                                                                                                  | 91.1      | 22                                         | 7.79 | 0.3                                                                                     | 0.9<br><input type="checkbox"/> VOB (S) | 1.1                         | 50210                 | 32.94          |
|                                                                                                                |             |                                                                                                                                                                                                       |           |                                            |      |                                                                                         |                                         |                             |                       |                |
|                                                                                                                | 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-PO4-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-Cl-IC / 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                                                                                                                                                                   |           | Formalin Lot #                             |      | <input type="checkbox"/> Formalin                                                       |                                         |                             |                       |                |
| Periphyton (PT-50ML)                                                                                           |             | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                     |           |                                            |      | <input type="checkbox"/> Ice                                                            |                                         |                             |                       |                |
| Microbiology (Contract Lab Bottle)                                                                             |             | <input type="checkbox"/> E Coli <input checked="" type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                   |           |                                            |      | <input checked="" type="checkbox"/> Ice                                                 |                                         |                             | 2                     | 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)                                                                                  |             | 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) |      |                                                                                         |                                         |                             |                       |                |
| Phytoplankton/Periphyton                                                                                       |             |                                                                                                                                                                                                       |           | DTY-QN-C                                   |      | PKD-QN-BV                                                                               |                                         |                             |                       |                |
|                                                                                                                |             |                                                                                                                                                                                                       |           |                                            |      |                                                                                         |                                         |                             |                       |                |
| Name: Jeremy Parrish<br>Kimberly Appleby                                                                       |             |                                                                                                                                                                                                       |           |                                            |      | Signature: <i>Kimberly Appleby</i>                                                      |                                         |                             | Date: 11/3/2021       |                |

\*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 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: SALT RUN OFFSHORE FROM ANASTASIA ISLAND

Date: 11/3/2021

WIN/Field ID: 27010137

WBID: 2502C

ENR: ENRT2

Latitude: 29.8805

County: ST. JOHNS

Org ID: 21FLA

Longitude: -81.28

Receiving Body of Water: Upper East Coast

RQ- 2021-11-15-20

| 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"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | Kimberly Appleby | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/>            |                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| <input type="checkbox"/>            |                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input 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: Sonar                           |                                                    |
| Secchi Equipment ID:                                 |                                                    |
| Collection Method                                    |                                                    |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor            |
| <input type="checkbox"/> Other                       | <input checked="" 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# DESI |                                 |
| Photos: NO                                                                                                                                                                                                                                                      | Flow: FLOW | Tide: FALLING  | Tide Times: High: 745 Low: 1345 |
| 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>SUNNY BREEZY                                                                                                                                                                                                                                          |            |                |                                 |

## 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-2021-11-15-20

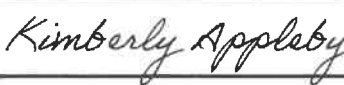
Customer: WQAP

Project ID: SMP

Collected By: Jeremy Parrish, Kimberly Appleby

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

| Place Label Here                                                                                               |             |                                                                                                                                                                                                       |           |                                            |     | Comments:                                                                                       |                                         |                                        |                       |                              |
|----------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------|-----|-------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------|-----------------------|------------------------------|
| WIN ID/Field ID: <br>27010054 |             |                                                                                                                                                                                                       |           |                                            |     |                                                                                                 |                                         |                                        |                       |                              |
| Location: SOMBRERO CREEK 50M BELOW FORK                                                                        |             |                                                                                                                                                                                                       |           |                                            |     |                                                                                                 |                                         |                                        |                       |                              |
| Matrix: Marine                                                                                                 |             |                                                                                                                                                                                                       |           |                                            |     | (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)              |
| 11/3/2021                                                                                                      | 1020<br>EST | 6.18                                                                                                                                                                                                  | 85.4      | 22.3                                       | 7.8 | 0.3                                                                                             | 0.9<br><input type="checkbox"/> VOB (S) | 2.7                                    | 47990                 | 31.32                        |
|                                                                                                                |             |                                                                                                                                                                                                       |           |                                            |     |                                                                                                 |                                         |                                        |                       |                              |
|                                                                                                                | 1022<br>EST | 6.11                                                                                                                                                                                                  | 84.2      | 22.3                                       | 7.8 | 2.2                                                                                             |                                         |                                        | 48043                 | 31.36                        |
| 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                     | A                            |
|                                                                                                                |             | Lot # Sa1105060                                                                                                                                                                                       |           | Exp: 4/30/22                               |     |                                                                                                 |                                         |                                        |                       |                              |
| 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                     | A                            |
|                                                                                                                |             | Filter Lot # R1eb01329                                                                                                                                                                                |           |                                            |     |                                                                                                 |                                         |                                        |                       |                              |
|                                                                                                                |             | Syringe Lot #                                                                                                                                                                                         |           |                                            |     |                                                                                                 |                                         |                                        |                       |                              |
| Chlorophyll (BP-1L)                                                                                            |             | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                        |           |                                            |     | <input checked="" type="checkbox"/> Ice                                                         |                                         |                                        | 1                     | A                            |
| Physical/Aggregate (Fresh) (P-1L)                                                                              |             | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                  |           |                                            |     | <input type="checkbox"/> Ice                                                                    |                                         |                                        |                       |                              |
| Physical/Aggregate (Marine) (P-1L)                                                                             |             | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                    |           |                                            |     | <input checked="" type="checkbox"/> Ice                                                         |                                         |                                        | 1                     | A                            |
| Macroinvertebrates (PJ-2L)                                                                                     |             | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                   |           | Formalin Lot #                             |     | <input type="checkbox"/> Formalin                                                               |                                         |                                        |                       |                              |
| Periphyton (PT-50ML)                                                                                           |             | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                     |           |                                            |     | <input type="checkbox"/> Ice                                                                    |                                         |                                        |                       |                              |
| Microbiology (Contract Lab Bottle)                                                                             |             | <input type="checkbox"/> E Coli <input checked="" type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                   |           |                                            |     | <input checked="" type="checkbox"/> Ice                                                         |                                         |                                        | 2                     | 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"/> |           |                                            |     | <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)                                                                                  |             | W-E8321-DI                                                                                                                                                                                            |           | WE8321-MS                                  |     | W-PSNP-TQ                                                                                       |                                         | W-CT-CL-R                              |                       | <input type="checkbox"/> Ice |
| Phytoplankton/Periphyton                                                                                       |             | W-PCL-TQ-R                                                                                                                                                                                            |           | W-CARB-AA (5 ml of MCAA** Buffer Solution) |     | DTY-QN-C                                                                                        |                                         | PKD-QN-BV                              |                       | <input type="checkbox"/> Ice |
| Name: Jeremy Parrish<br>Kimberly Appleby                                                                       |             |                                                                                                                                                                                                       |           |                                            |     | Signature:  |                                         |                                        | Date: 11/3/2021       |                              |

\*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 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: SOMBRERO CREEK 50M BELOW FORK

Date: 11/3/2021

WIN/Field ID: 27010054

WBID: 2470

ENR: ENRT1

Latitude: 29.9782

County: ST. JOHNS

Org ID: 21FLA

Longitude: -81.32

Receiving Body of Water: Upper East Coast

RQ- 2021-11-15-20

| 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 Appleby |                                     | <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: Sonar                           |                                                    |
| Secchi Equipment ID:                                 |                                                    |
| Collection Method                                    |                                                    |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor            |
| <input type="checkbox"/> Other                       | <input checked="" 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# DESI |                                 |
| Photos: NO                                                                                                                                                                                                                                                      | Flow: FLOW | Tide: FALLING  | Tide Times: High: 745 Low: 1345 |
| 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>SUNNY                                                                                                                                                                                                                                                 |            |                |                                 |

## 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: QC Station ID, Field Parameters In LIMS DMT:

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



RQ-2021-11-15-20

Customer: WQAP

Project ID: SMP

Collected By: Jeremy Parrish, Kimberly Appleby

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

| Place Label Here                                                                                               |            |                                                                                                                                                                                                       |           |            |      | Comments:                                                                                       |                                         |                                        |                       |                 |
|----------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------|-------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------|-----------------------|-----------------|
| WIN ID/Field ID: <br>27010968 |            |                                                                                                                                                                                                       |           |            |      |                                                                                                 |                                         |                                        |                       |                 |
| Location: XIMANIES CR ~ 1 MI UPSTRM OF MOUTH                                                                   |            |                                                                                                                                                                                                       |           |            |      |                                                                                                 |                                         |                                        |                       |                 |
| Matrix: Marine                                                                                                 |            |                                                                                                                                                                                                       |           |            |      | (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) |
| 11/3/2021                                                                                                      | 955<br>EST | 6.32                                                                                                                                                                                                  | 88.4      | 22.5       | 7.84 | 0.3                                                                                             | 0.9<br><input type="checkbox"/> VOB (S) | 2.1                                    | 49392                 | 32.35           |
|                                                                                                                |            |                                                                                                                                                                                                       |           |            |      |                                                                                                 |                                         |                                        |                       |                 |
|                                                                                                                | 958<br>EST | 6.24                                                                                                                                                                                                  | 87.2      | 22.5       | 7.84 | 1.6                                                                                             |                                         |                                        | 49695                 | 32.56           |
| 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 # Sa1105060 Exp: 4/30/22                                                                                       |           |            |      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4*              |                                         | <input checked="" type="checkbox"/> <2 | 1                     | A               |
| 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 # R1eb01329<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 type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                  |           |            |      | <input type="checkbox"/> Ice                                                                    |                                         |                                        |                       |                 |
| Physical/Aggregate (Marine) (P-1L)                                                                             |            | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                    |           |            |      | <input checked="" type="checkbox"/> Ice                                                         |                                         |                                        | 1                     | A               |
| Macroinvertebrates (PJ-2L)                                                                                     |            | <input type="checkbox"/> MI-FW-QLDC Formalin Lot #                                                                                                                                                    |           |            |      | <input type="checkbox"/> Formalin                                                               |                                         |                                        |                       |                 |
| Periphyton (PT-50ML)                                                                                           |            | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                     |           |            |      | <input type="checkbox"/> Ice                                                                    |                                         |                                        |                       |                 |
| Microbiology (Contract Lab Bottle)                                                                             |            | <input type="checkbox"/> E Coli <input checked="" type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                   |           |            |      | <input checked="" type="checkbox"/> Ice                                                         |                                         |                                        | 2                     | 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"/> |           |            |      | <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)                                                                                  |            | W-E8321-DI WE8321-MS W-PSNP-TQ W-CT-CL-R<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution)                                                                                                     |           |            |      | <input type="checkbox"/> Ice                                                                    |                                         |                                        |                       |                 |
| Phytoplankton/Periphyton                                                                                       |            | DTY-QN-C<br>PKD-QN-BV                                                                                                                                                                                 |           |            |      | <input type="checkbox"/> Ice                                                                    |                                         |                                        |                       |                 |
| Name: Jeremy Parrish<br>Kimberly Appleby                                                                       |            |                                                                                                                                                                                                       |           |            |      | Signature:  |                                         |                                        | Date: 11/3/2021       |                 |

\*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 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: XIMANIES CR ~ 1 MI UPSTRM OF MOUTH

Date: 11/3/2021

WIN/Field ID: 27010968

WBID: 2477

ENR: ENRT1

Latitude: 29.9666

County: ST. JOHNS

Org ID: 21FLA

Longitude: -81.32

Receiving Body of Water: Upper East Coast

RQ- 2021-11-15-20

| Sampling Team Members               |                  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|------------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Jeremy Parrish   | x               |                   | x             |              |                    |
| <input checked="" type="checkbox"/> | Kimberly Appleby |                 | x                 |               | x            | x                  |
| <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: Sonar                           |                                                    |
| Secchi Equipment ID:                                 |                                                    |
| Collection Method                                    |                                                    |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor            |
| <input type="checkbox"/> Other                       | <input checked="" 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# DESI |                                 |
| Photos: No                                                                                                                                                                                                                                                      | Flow: FLOW | Tide: FALLING  | Tide Times: High: 745 Low: 1345 |
| 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>SUNNY BREEZY                                                                                                                                                                                                                                          |            |                |                                 |

## Duplicate Sample

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

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|                         |               |                    |                       |
|-------------------------|---------------|--------------------|-----------------------|
| 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: QC Station ID, Field Parameters In LIMS DMT:

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



RQ-2021-11-15-20

Customer: WQAP

Project ID: SMP

Collected By: Kimberly Appleby, Jeremy Parrish

Field Report Prepared By: Kimberly Appleby

Sampling Agency: FDEP

| Place Label Here                                                                                               |            |                                                                                                                                                                              |           |            |      | Comments:                                                                                |                                       |                 |                       |                              |
|----------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------|------------------------------------------------------------------------------------------|---------------------------------------|-----------------|-----------------------|------------------------------|
| WIN ID/Field ID: <br>27010053 |            |                                                                                                                                                                              |           |            |      |                                                                                          |                                       |                 |                       |                              |
| Location: XIMANIES CREEK @ 1ST SE BEND                                                                         |            |                                                                                                                                                                              |           |            |      |                                                                                          |                                       |                 |                       |                              |
| Matrix: Marine                                                                                                 |            |                                                                                                                                                                              |           |            |      | (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 <sub>h</sub> ) |
| 11/3/2021                                                                                                      | 945<br>EST | 6.72                                                                                                                                                                         | 95.3      | 23.1       | 7.88 | 0.3                                                                                      | 1<br><input type="checkbox"/> VOB (S) | 1.9             | 51327                 | 33.74                        |
|                                                                                                                |            |                                                                                                                                                                              |           |            |      |                                                                                          |                                       |                 |                       |                              |
|                                                                                                                | 947<br>EST | 6.71                                                                                                                                                                         | 95.2      | 23.1       | 7.89 | 1.4                                                                                      |                                       |                 | 51411                 | 33.81                        |
| 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<br>Lot # Exp:                                                                                           |           |            |      | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4* <input type="checkbox"/> <2 |                                       |                 |                       |                              |
| 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 type="checkbox"/> W-P04-F <input type="checkbox"/> Field Filtered 0.45 µm Filter<br>Filter Lot # Syringe Lot #                                                        |           |            |      | <input type="checkbox"/> Ice                                                             |                                       |                 |                       |                              |
| 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-CL-IC / 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 Formalin Lot #                                                                                                                           |           |            |      | <input type="checkbox"/> Formalin                                                        |                                       |                 |                       |                              |
| Periphyton (PT-50ML)                                                                                           |            | <input type="checkbox"/> ALGAE-ID                                                                                                                                            |           |            |      | <input type="checkbox"/> Ice                                                             |                                       |                 |                       |                              |
| Microbiology (Contract Lab Bottle)                                                                             |            | <input type="checkbox"/> E Coli <input checked="" type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab          |           |            |      | <input checked="" type="checkbox"/> Ice                                                  |                                       |                 | 2                     | 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"/> 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)                                                                                  |            | W-E8321-DI WE8321-MS W-PSNP-TQ W-CT-CL-R<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution)                                                                            |           |            |      | <input type="checkbox"/> Ice                                                             |                                       |                 |                       |                              |
| Phytoplankton/Periphyton                                                                                       |            | DTY-QN-C PKD-QN-BV                                                                                                                                                           |           |            |      | <input type="checkbox"/> Ice                                                             |                                       |                 |                       |                              |
| Name: Kimberly Appleby<br>Jeremy Parrish                                                                       |            |                                                                                                                                                                              |           |            |      | Signature: <i>Kimberly Appleby</i>                                                       |                                       |                 | Date: 11/3/2021       |                              |

\*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 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: XIMANIES CREEK @ 1ST SE BEND

Date: 11/3/2021

WIN/Field ID: 27010053

WBID: 2477

ENR: ENRT1

Latitude: 29.9664

County: ST. JOHNS

Org ID: 21FLA

Longitude: -81.32

Receiving Body of Water: Upper East Coast

RQ- 2021-11-15-20

| Sampling Team Members               |                  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|------------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Kimberly Appleby |                 | x                 |               | x            |                    |
| <input checked="" type="checkbox"/> | Jeremy Parrish   | x               |                   | x             |              |                    |
| <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: Sonar                           |                                                    |
| Secchi Equipment ID:                                 |                                                    |
| Collection Method                                    |                                                    |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor            |
| <input type="checkbox"/> Other                       | <input checked="" 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# DESI |                                 |
| Photos: No                                                                                                                                                                                                                                                      | Flow: FLOW | Tide: FALLING  | Tide Times: High: 745 Low: 1345 |
| 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>SUNNY AND BREEZY                                                                                                                                                                                                                                      |            |                |                                 |

## 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)

Date of Request: 18-OCT-2021  
 Created By: PARRISH\_J On: 18-OCT-2021  
 Modified By: JASROTIA\_P On: 19-OCT-2021  
 Customer: NE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northeast District  
 Event Description: Vilano Boat

**Send Coolers To:**

Phone: 904-256-1693  
 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: 19-OCT-2021  
 Biology Request Reviewed By: JASROTIA\_P On: 19-OCT-2021  
 Sampling Kit Required: YES Ship on: 05-NOV-2021  
 Sampling Kit Shipped: YES On: 03-NOV-2021  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 15-NOV-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) Nutrients, Bacteria  
 Group C: (Surf.-Salt) Bacteria

**Packing Notes:****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 CaCO <sub>3</sub> /L                                   |
| TURBIDITY                         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity 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: 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                                                                                          |
| ENT-24-QT                         | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems                 |
| Bottle Type: P-250ML-WO-THI       | Number of Bottles: 3 | Preserved With: ICE                                                                                          |
| FCOLI-MF                          | Template: DEFAULT    | (SM 9222 D) Fecal coliforms by membrane filter method - non-chlorinated water systems                        |
| Bottle Type: P-500ML              | Number of Bottles: 3 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO <sub>2</sub> NO <sub>3</sub> | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP                          | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                             | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                             | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |
| Bottle Type: P-125ML              | Number of Bottles: 3 | Preserved With: FILTER-ICE                                                                                   |
| W-PO <sub>4</sub> -F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |

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

|                      |                      |                                                            |
|----------------------|----------------------|------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>     |
| W-NH <sub>3</sub>    | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L |

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

|                             |                   |                      |                                                                                          |
|-----------------------------|-------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML        |                   | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                            |
| 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-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-WO-THI |                   | Number of Bottles: 1 | Preserved With: ICE                                                                      |
| ENT-24-QT                   | Template: DEFAULT | (Enterolert/QT)      | Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems             |

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

|                             |                   |                      |                                                                              |
|-----------------------------|-------------------|----------------------|------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WO-THI |                   | Number of Bottles: 2 | Preserved With: ICE                                                          |
| ENT-24-QT                   | Template: DEFAULT | (Enterolert/QT)      | Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems |
| Bottle Type: P-250ML-WO-THI |                   | Number of Bottles: 2 | Preserved With: ICE                                                          |
| FCOLI-MF                    | Template: DEFAULT | (SM 9222 D)          | Fecal coliforms by membrane filter method - non-chlorinated water systems    |

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