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

January 2019

Data Qualified? Yes / No

**WIN Station Name:** Sandy Creek Upstream Boat Ramp **Date:** 04/29/2019 (mm/dd/yyyy)

**WIN ID/ Field ID** G3TLHR0037 **WBID:** 1111 **Latitude:** 30.1145 (Decimal Degrees)

**County:** Bay **ORG ID:** 21FLTLHR **Longitude:** -85.4172 (Decimal Degrees)

**Receiving Body of Water:** East Bay (Gulf of Mexico) **RQ -** 2019-04-29-73

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check | Duplicate Collection | Blank Collection |
|---|---|---|---|---|---|---|---|
| Ben Hayden | ✓ | | ✓ | | | | |
| Jade Burtchett | | ✓ | | ✓ | ✓ | | |
| | | | | | | | |

**Sampling Equipment**

☑ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☐ Syringe
☐ Dipper ☐ Other _____
Depth Measured with: _____
Equipment ID _____

**Collection Method**

☐ Wading ☐ Canoe/Kayak
☐ From Shore ☐ Electric Motor
☐ Other _____ ☑ Gasoline Motor

**Water Level:** Dry/ Pooled/ Low/ (Normal)/ High/ Flooded

**Meter ID#**

**Matrix:** Fresh / Marine / DI

**Photos:** Yes / No

**Flow:** No Flow / Intestital / (Flowing)/ NA

**Tide:** Rising/ Falling/ Slack/ NA

**Tide Times:** High Low (Bracket Sample Time)

## Field Sample

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L) | DO (%SAT) | pH | Salinity (ppt) | Sp COND (µmhos/cm) | Temp. (C°) |
|---|---|---|---|---|---|---|---|---|---|---|
| (EST) | 1235 | 2.4 | 0.3 | 0.5 | 6.83 | 75.5 | 5.14 | 0.02 | 50.1 | 20.3 |
| CEN | 1238 | | 1.9 | | 6.75 | 74.1 | 5.13 | 0.02 | 55.5 | 19.9 |

**Biological Samples Collected:** (None) HA SCI RPS Algae ID LVS LVI Other:

**SBIO ID Numbers:** SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

| Parameter Suite | Parameter Methods | Preservation | Lot# | Expiration | pH Check |
|---|---|---|---|---|---|
| Preserved Nutrients | ☑ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | ☑ Ice ☑ $H_2SO_4$ | ~~SA71650~~ BH | ~~6/2021~~ BH | ☑ <2 |
| Metals | ☐ W-ICPMS ☐ W-ICP | ☐ Ice ☐ $HNO_3$ | SA834907 | 12/2019 | ☐ <2 |
| Filtered Nutrients | ☑ W-PO4-F ☑ Field Filtered 0.45 µm Filter | ☑ Ice | | | |
| Chlorophyll | ☑ CHLSUITE-W | ☑ Ice | | | |
| Physical/Aggregate (Fresh) | ☑ Alkalinity W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS | ☑ Ice | | | |
| Physical/Aggregate (Marine) | ☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY | ☐ Ice | | | |
| Macroinvertebrates | ☐ MI-FW-QLDC | ☐ Formalin | | | |
| Periphyton | ☐ ALGAE-ID | ☐ Ice | | | |
| Microbiology | ☑ E Coli ☐ F Coli ☐ Enterococci | ☑ Ice | | | |
| Molecular | ☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD | ☐ Ice | | | |
| Tracers | ☐ W-E3821-MS ☐ W-E32821-DI | ☐ Ice | | | |
| Pesticides | ☐ W-PSNP-TQ ☐ W-E3821-MS ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-DI ☐ W-CARB-AA | ☐ Ice | | | |
| Phytoplankton | ☐ DTY-QN-C ☐ PKD-QN-C | ☐ Ice | | | |

Place Preservative Sticker(s) Here (If Available)

## 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: 154177 RQ- Project: SMP2019

**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 4/19

| 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. Burtchett | 4/29/19 | 802 | 19.8 | 760.2 | 9.13 | 9.13 | 100.1 | — | 0.99 | P / F | L / F |
| ICV | ↓ | ↓ | 812 | 18.5 | 760.2 | 9.4 | 9.38 | 100.2 | - | — | P / F | L / F |
| CCV | ↓ | ↓ | 1612 | 24.5 | 759.9 | 8.3 | 8.24 | 98.9 | | | P / F | L / F |
| CCV | | | | | | | | | | | P / F | L / F |

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

| Spec. Cond. FT 1200 | Name | Date | Time CT-ET | Lot # | Expir. Date | Standard µmhos/cm | Meter Reading µmhos/cm | Pass / Fail | Lab / Field |
|---|---|---|---|---|---|---|---|---|---|
| Calibr. | J. Burtchett | 4/29/19 | 804 | 140621C | 07/19 | 1000 | 1000 | P / F | L / F |
| ICV | ↓ | ↓ | 814 | 28088884 | 07/20 | 100 | 102 | P / F | L / F |
| CCV | ↓ | ↓ | 1616 | 140621A | 07/19 | 10000 | 10192 | P / F | L / F |
| CCV | | | | | | | | P / F | L / F |

Conductivity Acceptance criteria ± 5%

| pH DEP SOP FT 1100 | Name | Date | Time CT-ET | Lot # | Expir. Date | pH Buffer SU | Temp °C | Meter reading SU | mV | Pass / Fail | Lab / Field |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Calibr. | J. Burtchett | 4/29/19 | 806 | K8040CC | 10/19 | 7.02 | 18.8 | 7.03 | -49.3 | P / F | L / F |
| Calibr. | ↓ | ↓ | 808 | 140621D | 07/19 | 4.00 | 19.1 | 4.06 | 126.2 | P / F | L / F |
| Calibr. | ↓ | ↓ | 810 | 140621F | 01/20 | 10.06 | 18.5 | 10.08 | 216.2 | P / F | L / F |
| ICV | ↓ | ↓ | 816 | 180621F | 01/20 | 10.06 | 19.0 | 10.06 | 217.3 | P / F | L / F |
| CCV | ↓ | ↓ | 1617 | 180621D | 07/19 | 4.00 | 19.9 | 4.06 | 122.0 | P / F | L / F |
| CCV | | | | | | | | | | P / F | L / F |

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

**Does meter have a depth sensor that will be used to measure total depth & sample depth?** YES / NO / NA (not surf. water project)
If **YES**, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 4/19
If **NO**, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: _____; Date of last verification: _____

| Depth Sensor (Daily Calibration & ICV) | Name | Date | Time CT-ET | Calibrated Value (0.00 or Offset), meters | ICV Value, meters | Pass / Fail | Lab / Field |
|---|---|---|---|---|---|---|---|
| Pressure mode in air | J. Burtchett | 4/29/19 | 800 | 0.000 | 0.000 | 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:**

**Request Number: RQ-2019-04-29-73**

Run 10

# Florida Department of Environmental Protection
## Central Laboratory Submittal Form

last revised Jan 25, 2018

**Customer: TLH-ROC**

**Project ID: SMP**

Requester: Michael Eckles

Collected By: Burtchett / Harden

Field Report Prepared By: B. Harden

Sampling Agency: 80349

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Field/WIN ID → G3TLHR0037

Location → Sandy Creek Upstream of Boat Ramp

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☑ Grab ☐ Comp | Collection (comp begin or grab) Date 04/29/19 Time 1235 | Eastern / Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 6.83 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 20.3 | pH 5.14 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 50.1

Salinity (ppt) 0.02 | Comments: Good

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Field/WIN ID → G3TLHR0038

Location → MULE CREEK @ MOUTH

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☑ Grab ☐ Comp | Collection (comp begin or grab) Date 04/29/2019 Time 1245 | Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 6.30 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 22.3 | pH 5.71 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 48.8

Salinity (ppt) 0.02 | Comments: Expired sulfuric

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Field/WIN ID → G3TLHR0039

Location → LITTLE SANDY CREEK @ MOUTH

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☑ Grab ☐ Comp | Collection (comp begin or grab) Date 04/29/2019 Time 1305 | Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 6.37 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.4 | pH 5.33 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 2925

Salinity (ppt) 0.11 | Comments: Expired sulfuric

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Field/WIN ID → G3TLHR0041

Location → EAGLE NEST BAYOU @ MOUTH

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☑ Grab ☐ Comp | Collection (comp begin or grab) Date 04/29/2019 Time 1330 | Eastern / Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.36 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 25.1 | pH 6.84 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 210

Salinity (ppt) 1.07 | Comments: Expired sulfuric

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| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
|---|---|---|---|---|---|
| JB, BH | 4/29/19: 1604 | HD | 1 | TyLu K. | 04/29/19 @ 4:00p |

Group: A | Bottle Type: P-1L | # of Bottles: 4 | Preservative: ICE | Enter Number of Bottles Sent to Lab 3

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group: A | Bottle Type: BP-1L | # of Bottles: 4 | Preservative: ICE | Enter Number of Bottles Sent to Lab 3

CHLSUITE-W

Group: A | Bottle Type: P-250ML-WO-THI | # of Bottles: 4 | Preservative: ICE | Enter Number of Bottles Sent to Lab 3

ECOLI-18QT

Group: A | Bottle Type: P-500ML | # of Bottles: 4 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab 3

W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

(3) 7163030 6/12/18 * expired
(1) 8344070 12/10/19

Group: A | Bottle Type: P-125ML | # of Bottles: 4 | Preservative: FILTER-ICE | Enter Number of Bottles Sent to Lab 3

W-PO4-F

Group: B | Bottle Type: P-1L | # of Bottles: 2 | Preservative: ICE | Enter Number of Bottles Sent to Lab 1

ALKALINITY
TURBIDITY
W-BR-IC
W-F
W-TSS

Group: B | Bottle Type: BP-1L | # of Bottles: 2 | Preservative: ICE | Enter Number of Bottles Sent to Lab 1

CHLSUITE-W

Group: B | Bottle Type: P-250ML-WO-THI | # of Bottles: 2 | Preservative: ICE | Enter Number of Bottles Sent to Lab 1

ENT-24-QT

Group: B | Bottle Type: P-250ML-WO-THI | # of Bottles: 2 | Preservative: ICE | Enter Number of Bottles Sent to Lab 1

FCOLI-MF

| | | | | | | |
|---|---|---|---|---|---|---|
| Group: B | Bottle Type: | P-500ML | # of Bottles: 2 | Preservative: | ICE And H2SO4 | **Enter Number of Bottles Sent to Lab** 1 |
| | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | | | | | |
| Group: B | Bottle Type: | P-125ML | # of Bottles: 2 | Preservative: | FILTER-ICE | **Enter Number of Bottles Sent to Lab** 1 |
| | W-PO4-F | | | | | |
| Group: C | Bottle Type: | P-250ML-WO-THI | # of Bottles: 1 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** |
| | ENT-24-QT | | | | | |
| Group: C | Bottle Type: | P-250ML-WO-THI | # of Bottles: 1 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** |
| | FCOLI-MF | | | | | |
| Group: D | Bottle Type: | P-1L | # of Bottles: 1 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** |
| | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | | | | | |
| Group: D | Bottle Type: | BP-1L | # of Bottles: 1 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** |
| | CHLSUITE-W | | | | | |
| Group: D | Bottle Type: | P-250ML-WO-THI | # of Bottles: 1 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** |
| | ECOLI-18QT | | | | | |
| Group: D | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: | HNO3 | **Enter Number of Bottles Sent to Lab** |
| | W-ICP<br>W-ICPMS | | | | | |
| Group: D | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: | ICE And H2SO4 | **Enter Number of Bottles Sent to Lab** |
| | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN | | | | | |