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

January 2018

Data Qualified? Yes / No

**WIN Station Name:** Marshall Creek @ SR2 **Date:** 01/29/2018 (mm/dd/yyyy)

**WIN/ Field ID:** G2TLHR0007 **WBID:** 151A **Latitude:** 30.9365338 (Decimal Degrees)

**County:** Jackson **ORG ID:** 21FLTLHR **Longitude:** 85.2968208 (Decimal Degrees)

**Receiving Body of Water:** Chipola River **RQ-2018-**01-29-4

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| J. Burkett | ✓ | | ✓ | | |
| J. Tolbert | | ✓ | | ✓ | ✓ |
| | | | | | |

**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#** EXO 3 **Matrix:** (Fresh) / Marine / DI

**Photos:** Yes / (No) **Flow:** No Flow / Intestital / (Flowing) / NA **Tide:** Rising/ Falling/ Slack/ (NA) **Tide Times:** High Low

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L) | DO (%SAT) | pH | Salinity (PPTh) | Sp COND (µmhos/cm) | Temp. (C°) |
|---|---|---|---|---|---|---|---|---|---|---|
| (EST) | 1400 | 0.7 | 0.3 | 0.7 (S) | 7.60 | 74 | 7.3 | 0.07 | 143 | 15.53 |
| CEN | | | | | | | | | | |

**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 ☑ $H_2SO_4$ | SA7275010 | 6/2/18 | ☑ <2 |
| Metals | ☐ W-ICPMS ☐ W-ICP | ☐ Ice ☐ $HNO_3$ | | | ☐ <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-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-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD | ☐ Ice | | | |
| Tracers | ☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA | ☐ Ice | | | |
| Pesticides | ☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R | ☐ Ice ☐ Other | | | |

Place Preservative Sticker(s) Here (If Available)

**Notes:**

Field/WIN ID G2TLHR0007

Location MARSHALL CREEK @ SR2

**Signature:** [signature] **Date:** 01/29/18

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)

**Request Number: RQ-2018-01-29-48**

kit A w/ bacteria

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



last revised Jan 3, 2018

**Customer: TLH-ROC**

**Project ID: SMP**

Requester: Chris Green

Collected By: J. Tolbert, J. Burtchett

Field Report Prepared By: J. Burtchett

Sampling Agency: 8034

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**Location**

Field ID: Field/WIN ID G2TLHR0016

WIN/ST: Location CHIPOLARIVER@MAGNOLIARD

Latitude: ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 01/29/18 Time 1145 | Eastern Central | Composite end Date — Time — | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 8.91 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 16.30 | pH 7.72 | Sample Depth 0.15 ☐ ft ☑ m | Sp. Conductance (umho/cm) 205

☐ dd ☐ dms | Salinity (ppt) 0.10 | Comments

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**Location**

Field ID: Field/WIN ID G2TLHR0009

WIN/ST: Location Blue Hole Spring @ Caverns State Park

Latitude: ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 01/29/18 Time 1225 | Eastern Central | Composite end Date — Time — | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 6.04 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 18.26 | pH 7.46 | Sample Depth 0.3 ☐ ft ☐ m | Sp. Conductance (umho/cm) 306

☐ dd ☐ dms | Salinity (ppt) 0.15 | Comments

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**Location**

Field ID: G2TLHR0009DUP

WIN/ST: Location ↓ Blue Hole Spring @ Caverns State Park | Field ID ↑ G2TLHR0009 | WIN ↓

Latitude: ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 01/29/18 Time 1230 | Eastern Central | Composite end Date — Time — | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 6.04 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 18.26 | pH 7.46 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 306

☐ dd ☐ dms | Salinity (ppt) 0.15 | Comments DUPE

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**Location**

Field ID: Field/WIN ID BLANK_JAN

WIN/ST: Location QA/QC FIELD BLANK CARBOY

Latitude: ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 01/29/18 Time 1235 | Eastern Central | Composite end Date — Time — | Bottle Group(s): A

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

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

☐ dd ☐ dms | Salinity (ppt) | Comments Field BLANK (carboy)

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| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
|---|---|---|---|---|---|
| JB, JT | 1/29/18:1546 | HD | 1 | | 1/29/18 3:48 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Group: A | Bottle Type: | P-1L | # of Bottles: 25 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 4 |
| | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | | | | | | |
| Group: A | Bottle Type: | BP-1L | # of Bottles: 25 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 4 |
| | CHLSUITE-W | | | | | | |
| Group: A | Bottle Type: | P-250ML-WO-THI | # of Bottles: 25 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 4 |
| | ECOLI-18QT | | | | | | |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 25 | Preservative: | ICE And H2SO4 | **Enter Number of Bottles Sent to Lab** | 4 |
| | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | | | | | | |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 25 | Preservative: | FILTER-ICE | **Enter Number of Bottles Sent to Lab** | 4 |
| | W-PO4-F | | | | | | |

**Request Number: RQ-2018-01-29-48**

kit A w/ bacteria

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



last revised Jan 3, 2018

**Customer: TLH-ROC**

**Project ID: SMP**

Requester: Chris Green

Collected By: J. Tolbert, J. Burtchett

Field Report Prepared By: J. Burtchett

Sampling Agency: 8034

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**Location:** Russ Mill Grk @ Union rd
**Field ID:** G2TLHR0037
**WIN/STORET #:** G2TLHR0037
**Latitude:** 30.8523 ☐dd ☐dms **Longitude:** 85.3417 ☐dd ☐dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 1/29/18 Time 1320 | Eastern / Central | Composite end Date — Time — | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 8.56 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 16.31 | pH 7.78 | Sample Depth 0.15 ☐ ft ☑ m | Sp. Conductance (umho/cm) 204

Salinity (ppt) 0.10 | Comments

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**Location:** MARSHALL CREEK @ SR2
**Field ID:** Field/WIN ID G2TLHR0007
**WIN/STOR:** Location
**Latitude:** ☐dms ☐dd **Longitude:** ☐dd

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 1/29/18 Time 1400 | Eastern / Central | Composite end Date — Time — | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.80 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 15.53 | pH 7.3 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 143

Salinity (ppt) 0.07 | Comments

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**Location:**
**Field ID:**
**WIN/STORET #:**
**Latitude:** ☐dd ☐dms **Longitude:** ☐dd ☐dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time | Eastern / Central | Composite end Date Time | Bottle Group(s)

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

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

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**Location:**
**Field ID:**
**WIN/STORET #:**
**Latitude:** ☐dd ☐dms **Longitude:** ☐dd ☐dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time | Eastern / Central | Composite end Date Time | Bottle Group(s)

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

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

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| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
|---|---|---|---|---|---|
| JB, JT | 1/29/18 1546 | HD | 1 | | 1/29/18 3:48 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Group: A | Bottle Type: | P-1L | # of Bottles: 25 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 2 |
| | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | | | | | | |
| Group: A | Bottle Type: | BP-1L | # of Bottles: 25 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 2 |
| | CHLSUITE-W | | | | | | |
| Group: A | Bottle Type: | P-250ML-WO-THI | # of Bottles: 25 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 2 |
| | ECOLI-18QT | | | | | | |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 25 | Preservative: | ICE And H2SO4 | **Enter Number of Bottles Sent to Lab** | 2 |
| | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | | | | | | |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 25 | Preservative: | FILTER-ICE | **Enter Number of Bottles Sent to Lab** | 2 |
| | W-PO4-F | | | | | | |

Boldly "X" this box if there is qualified data on this page.

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

Meter ID: EXO 3 RQ- 2018-01-2945 Project: SMP 2018

**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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

**Temperature (Quarterly) FT 1400** Date of Last Temperature Verification 12/17

| DO DEP SOP FT 1500 | Name | Date | Time CT-ET | Temp | D.O. Chart mg/L | Meter D.O. mg/L | % DO | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Calibr. | J. Burtchett | 1/29/18 | 806 | 20.30 | 9.04 | 9.04 | 100 | - | 1.06 | P / F | L / F |
| ICV | ↓ | ↓ | 816 | 20.95 | 8.92 | 8.94 | 100 | - | - | P / F | L / F |
| CCV | ↓ | ↓ | | 13.7 | 10.46 | 10.39 | 100 | - | | 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; 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 | 1/29/18 | 808 | 1711210 | 12/19 | 1000 | 1000 | P / F | L / F |
| ICV | ↓ | ↓ | 815 | 2710761 | 9/19 | 1000 | 1001 | P / F | L / F |
| CCV | ↓ | ↓ | | 180116A | 1/19 | 1000 | 1001 | 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 | Meter reading SU | mV | Pass / Fail | Lab / Field |
|---|---|---|---|---|---|---|---|---|---|---|
| Calibr. | J. Burtchett | 1/29/18 | 810 | 1711210 | 06/19 | 7.0 | 7.0 | -23.1 | P / F | L / F |
| Calibr. | ↓ | ↓ | 812 | 1711218 / 180116B | 01/19 | 4.0 | 4.0 | 155.3 | P / F | L / F |
| Calibr. | ↓ | ↓ | 814 | 1711218 | 06/19 | 10.0 | 10.0 | -193.2 | P / F | L / F |
| ICV | ↓ | ↓ | 820 | 1711218 | 06/19 | 10.0 | 10.0 | -194.4 | P / F | L / F |
| CCV | ↓ | ↓ | | 180116C | 1/19 | 4.0 | 4.1 | 148.7 | 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 10 170.1, slope from 4 to 7 178.4 (both must be between 165 and 180 mV)

**Is meter equipped with depth sensor?** Yes / No If yes, list date of last quarterly depth verification 12/17

| 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 | | | | | | 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:**