FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / (No)

WIN Station Name: Middle Warrior Creek (@ US19) **Date:** 02/27/2019 (mm/dd/yyyy)

WIN/ Field ID: G1TLHR0007 **WBID:** 3556 **Latitude:** 30.00033 (Decimal Degrees)

County: TAYLOR **ORG ID:** 21FLTLHR **Longitude:** -83.50672 (Decimal Degrees)

Receiving Body of Water: Weaver Warrior Creek **RQ-** 2018-12-31-29

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J. Burkett	✓		✓		
C. Green		✓		✓	✓

Sampling Equipment
- [x] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [x] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with
- Equipment ID

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

Water Level: Dry/ Pooled/ Low (Normal) High / Flooded **Meter ID#** 155675 **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	1135	1.3	0.3	0.6	2.17	223	6.72	0.07	148	16.5
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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [ ] H_2SO_4	SA627405	10/1/19	[x] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] Ice			
Molecular	[ ] PCR-FILTER [ ] PCR-BacR [ ] PCR-GULL2 [ ] PCR-HF183 [ ] PCR-DG3 [ ] PCR-GFD	[ ] Ice			
Tracers	[ ] W-E8321-DI [ ] W-E8321-MS	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-CT-CL-R [ ] W-E8321-DI [ ] W-PCL-SQ-R [ ] WE8321-MS [ ] W-CARB-AA	[ ] Ice			
Phytoplankton	[ ] DTY-QN-C [ ] PKD-QN-C				

Place Preservative Sticker(s) Here (If Available)

Notes:

Field/WIN ID → G1TLHR0007

Location → MIDDLE WARRIOR CREEK

Signature: [signature] **Date:** 02/27/19

LIMS EVENT ID: TLH-ROC-2019-02-27-01 **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: CC 3-12-19 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** (Initials/Date)

Scan/Save Field Sheets CC 3-12-19 (Initials/Date) **Migrate Data to WIN:** (Initials/Date) **Verify Data In WIN:** (Initials/Date)

Request Number: RQ-2018-12-31-29

Run 2

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: J. Burchett, C. Green

Field Report Prepared By: J. Burchett

Sampling Agency: 4034

Location

Field ID / Field/WIN ID → G1TLHR0007

WIN/STORET # / Location ↓ MIDDLE WARRIOR CREEK

Latitude ☐dms

☐ Comp ☑ Grab	Collection (comp begin or grab) Date 2/27/19 Time 1135	Eastern / Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)		
Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen: 2.17 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —				
Temp (C): 16.5	pH: 6.72	Sample Depth: 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm): 148			
☐dd ☐dms Salinity (ppt): 0.07	Comments:					

Location

Field ID / Field/WIN ID → G1TLHR0065

WIN/STORET # / Location ↓ Steinhatchee River 40m N of Yearling Rd

Latitude ☐dms

☐ Comp ☑ Grab	Collection (comp begin or grab) Date 2/27/19 Time 1215	Eastern / Central	Composite end Date — Time —	Bottle Group(s)		
Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen: 7.29 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —				
Temp (C): 17.6	pH: 7.37	Sample Depth: 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm): 187			
☐dd ☐dms Salinity (ppt): 0.09	Comments:					

Location

Field ID / Field/WIN ID → G1TLHR0064

WIN/STORET # / Location ↓ Steinhatchee River @ S Canal Rd

Latitude ☐dms

☐ Comp ☑ Grab	Collection (comp begin or grab) Date 2/27/19 Time 1240	Eastern / Central	Composite end Date — Time —	Bottle Group(s)		
Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen: 7.24 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —				
Temp (C): 17.4	pH: 7.25	Sample Depth: 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm): 159			
☐dd ☐dms Salinity (ppt): 0.06	Comments:					

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:					

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
JB, CG	2/27/19 1417	HD	1		2-27-19 1417

Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4 SA8274050 10/1/19	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative:	HNO3 8344050 12/10/19	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1

~~459~~ ~~Lake~~ ~~Wes~~ CC

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

SMP2019

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

Meter ID: 1455075 RQ- Project: ~~SMP2018~~ 19

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 12/18

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	2/27/19	802	19.7	761.2	9.15	9.16	100.2	-	1.03	(P) / F	(P) F
ICV	↓	↓	812	19.1	761.2	9.26	9.22	99.6	-	-	(P) / F	(P) / F
CCV	↓	↓	1450	22.1	759.9	8.73	8.73	100.1	-	-	(P) / F	(P) / 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	2/27/19	804	180621C	07/19	1000	1000	(P) / F	(P) / F
ICV	↓	↓	814	1805F81	05/20	100	99	(P) / F	(P) / F
CCV	↓	↓	1452	1805F81	05/20	100	101	(P) / F	(P) / 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	2/27/19	806	180403C	10/19	7.02	19.3	7.03	-14.6	(P) / F	(P) / F
Calibr.	↓	↓	1458	180621D	07/19	4.00	19.2	4.00	159.7	(P) / F	(P) / F
Calibr.	↓	↓	810	180621F	01/20	10.08	19.3	10.07	-143.4	(P) / F	(P) / F
ICV	↓	↓	816	180621F	01/20	10.08	18.9	10.11	-186.5	(P) / F	(P) / F
CCV	↓	↓	1454	180621D	07/19	4.01	20.1	4.06	155.8	(P) / F	(P) / 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 10 168.8, slope from 4 to 7 174.3 (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: 12/18
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	2/27/19	800	0.00	0.00	(P) F	(P) F

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

COMMENTS: