



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Russ Mill Creek @ Union Rd

Date: 04/17/2019
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0037

WBID: 199

Latitude: 30.8523

County: Jackson

ORG ID: 21FLTLHR

Longitude: 85.3417

Receiving Body of Water: Waddells Mill Creek

RQ: 2019-04-K-50
(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Ben Hayden Paul Star				☒	☒	☒	☒	☒	☒ 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 / <u>Normal</u> / High / Flooded				Meter ID# 153424				Matrix: <u>Fresh</u> / Marine / DI					
Photos: Yes / <u>No</u>				Flow: No Flow / Intestinal / <u>Flowing</u> / 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 (PPT)	Sp COND (µmhos/cm)	Temp. (C°)			
EST	1005	0.6	0.3	0.1	8.27	87.0	7.56	0.12	245.4	17.8			
CEN													
Biological Samples Collected: <u>None</u> 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 ☒ H2SO4		5/834020		12/10/19 ☒ <2			
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3				☐ <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-E8321-DI ☐ W-E8321-MS				☐ Ice							
Pesticides		☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CAR8-AA				☐ Ice							
Phytoplankton		☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice							
Notes:													
G2TLHR0037 Place Label Here													
Signature:										Date: 4/17/19			

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:

(Initials/Date)

(Initials/Date)

(Initials/Date)

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: Blair/Haden

Field Report Prepared By: Blair/Haden

Sampling Agency: 8034

Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s) (See pg 2)
Location ↓		Time		Date		
G2TLHR0037		04/17/19		1005		A
RUSS MILL CREEK @ UNION RD		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine		
dd dms		Fresh		8.27		A
Temp (C)		pH		mg/L % sat		
Salinity (ppt)		7.56		ft Sp. Conductance		
0.12		Sample Depth		(umho/cm)		
0.3		245.4				
Comments						
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Location ↓		Time		Date		
G2TLHR0009		04/17/2019		1055		B
BLUE HOLE SPRING @ CAVERN		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine		
dd dms		Fresh		6.28		B
Temp (C)		pH		mg/L % sat		
Salinity (ppt)		7.14		ft Sp. Conductance		
0.13		Sample Depth		(umho/cm)		
0.3		264.3				
Comments						
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Location ↓		Time		Date		
G2TLHR0016		04/17/2019		1145		A
Chipola River @ Magnolia Rd		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine		
dd dms		Fresh		7.97		A
Temp (C)		pH		mg/L % sat		
Salinity (ppt)		7.60		ft Sp. Conductance		
0.12		Sample Depth		(umho/cm)		
0.3		246.5				
Comments						
Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)
WIN/STORET #		Time		Date		
dd dms		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine		Bottle Group(s)
Temp (C)		pH		mg/L % sat		
Salinity (ppt)		Sample Depth		(umho/cm)		Bottle Group(s)
0.12		246.5				
Comments						
Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)
WIN/STORET #		Time		Date		
dd dms		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine		Bottle Group(s)
Temp (C)		pH		mg/L % sat		
Salinity (ppt)		Sample Depth		(umho/cm)		Bottle Group(s)
0.12		246.5				
Comments						

Relinquished By: Blair	Date/Time: 04/17/19	Shipping Method: Hand Delivered	Number of Coolers Shipped: 2	Received By: [Signature]	Date/Time: 4/17/19
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Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ECOLL-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	

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Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3				
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F				
Group: C	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY				
	TURBIDITY				
	W-CL-IC				
	W-COLOR				
	W-F				
	W-SO4-IC				
	W-TDS				
	W-TSS				
Group: C	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W				
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT				
Group: C	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	PCR-FILTER				
Group: C	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	W-E8321-DI				
	W-E8321-MS				
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3				
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				
Group: C	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab

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Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab _____
Group: D	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 _____
Group: D	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: D	Bottle Type: ECOLL-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: D	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab _____
Group: D	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
Group: D	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab _____
Group: E	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab _____

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: 153484

RQ: 2019-04-15-SD

Project: 2019 SMP

- 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 04/19

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.	Ben Harden	04/17/19	0754	20.1	759.9	9.1	9.07	100.0		1.0366	Ⓟ / F	Ⓟ / F
ICV	"	"	0809	18.5	760.1	9.4	9.40	100.5			Ⓟ / F	Ⓟ / F
CCV	"	"	1448	25.0	752.2	8.3	8.30	100.3			Ⓟ / F	Ⓟ / 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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Harden	04/17/19	0756	07/19	180621C	1000	1001	Ⓟ / F	Ⓟ / F
ICV	"	"	0757	05/20	1805F81	100	101.1	Ⓟ / F	Ⓟ / F
CCV	"	"	1449	07/19	180621C	1000	999	Ⓟ / F	Ⓟ / F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

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.	Ben Harden	04/17/19	0801	180428C	10/19	7.03	18.6	7.03	-37.7	Ⓟ / F	Ⓟ / F
Calibr.	"	"	0803	180621D	07/19	4.00	19.1	4.00	142.8	Ⓟ / F	Ⓟ / F
Calibr.	"	"	0806	180621F	01/20	10.08	18.7	10.08	-197.9	Ⓟ / F	Ⓟ / F
ICV	"	"	0807	"	"	10.08	18.9	10.08	-198.7	Ⓟ / F	Ⓟ / F
CCV	"	"	1450	180621D	07/19	4.00	20.5	4.05	140.4	Ⓟ / F	Ⓟ / F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 160.2, slope from 4 to 7 180.5 (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: 04/19

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	Ben Harden	04/17/19	0753	0.272	0.272	Ⓟ / F	Ⓟ / F

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

COMMENTS:

