



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Chipola River @ Magnolia Rd

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

WIN/ Field ID: G2TLHR0016

WBID: 51E

Latitude: 30.7177819

County: Jackson

ORG ID: 21FTLHR

Longitude: 85.1999727

Receiving Body of Water: Dead Lakes

RQ: 2019-04-15-50

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>Ben Harden</u> <u>Paul Blar</u>									

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
Photos: Yes / No / Flow: No Flow / Intertidal / Flowing / NA
Meter ID# 153484 Matrix: Fresh / Marine / DI
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 (umhos/cm)	Temp. (C°)
EST	1145	1.5	0.3	1.55	7.97	89.6	7.60	0.12	246.5	21.1
CEN	1148		1.0		8.01	90.1	7.68	0.12	246.2	21.1

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 ☒ H2SO4	<u>6344070</u>	<u>12/10/19</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-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-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes: _____

G2TLHR0016
Place Label Here

Signature: _____ Date: 04/17/2019

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 _____ (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data in WIN: _____ (Initials/Date)

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: Blair/HardenField Report Prepared By: Blair/HardenSampling Agency: 8034

Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s) (See pg 2)
Location ↓		Time		Date		
G2TLHR0037		Date 04/17/19		Time 1005		A
RUSS MILL CREEK @ UNION RD		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		
Latitude		Temp (C) 17.8		pH 7.56		Sample Depth 0.3
Longitude		Salinity (ppt) 0.12		Sp. Conductance (umho/cm) 245.4		
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Location ↓		Time		Date		
G2TLHR0009		Date 04/17/2019		Time 1055		B
BLUE HOLE SPRING @ CAVERN		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		
Latitude		Temp (C) 20.2		pH 7.14		Sample Depth 0.3
Longitude		Salinity (ppt) 0.13		Sp. Conductance (umho/cm) 264.3		
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Location ↓		Time		Date		
G2TLHR0016		Date 04/17/2019		Time 1145		A
Chipola River @ Magnolia Rd		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		
Latitude		Temp (C) 21.1		pH 7.60		Sample Depth 0.3
Longitude		Salinity (ppt) 0.12		Sp. Conductance (umho/cm) 246.5		
Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)
WIN/STORET #		Time		Date		
Latitude		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Sample Depth
Longitude		Temp (C)		pH		
Salinity (ppt)		Sp. Conductance (umho/cm)		Total Res. Chlorine (mg/L)		%
Comments		Comments		Comments		

Relinquished By: BlairDate/Time: 04/17/19Shipping Method: Hand DeliveredNumber of Coolers Shipped: 2Received By: [Signature]Date/Time: 4/17/191412

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
	CHLSUTE-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
	CHLSUTE-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

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: ECOL-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-SO

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	⓪/F	⓪/F
ICV	"	"	0809	18.5	760.1	9.4	9.40	100.5			⓪/F	⓪/F
CCV	"	"	1448	25.0	752.2	8.3	8.30	100.3			⓪/F	⓪/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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Harden	04/17/19	0756	07/19	180621C	1000	1001	⓪/F	⓪/F
ICV	"	"	0757	05/20	1805F81	100	101.1	⓪/F	⓪/F
CCV	"	"	1449	07/19	180621C	1000	999	⓪/F	⓪/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	⓪/F	⓪/F
Calibr.	"	"	0803	180621D	07/19	4.00	19.1	4.00	142.8	⓪/F	⓪/F
Calibr.	"	"	0806	180621F	01/20	10.08	18.7	10.08	-197.9	⓪/F	⓪/F
ICV	"	"	0807	"	"	10.08	18.9	10.08	-198.7	⓪/F	⓪/F
CCV	"	"	1450	180621D	07/19	4.00	20.5	4.05	140.4	⓪/F	⓪/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	⓪/F	⓪/F

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

COMMENTS:

