



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Blue Hole Spring @ Caverns State Park

Date: 04/10/2018
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0009

WBID: 51Z

Latitude: 30.8201838

County: Jackson

ORG ID: 21FTLHR

Longitude: 85.2452327

Receiving Body of Water: Chipola Rvier

RQ-2018-04-09-52
(Decimal Degrees)

Sampling Team Members

J. Burtchett
J. Tolbert

WQ Measurements
Sample Collection
Documentation
Preservation
Preservation Check

Sampling Equipment

☒ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☒ Syringe
☐ Dipper ☐ Other
Depth Measured with EXO3
Equipment ID

Collection Method

☐ Wading ☐ Canoe/Kayak
☐ From Shore ☐ Electric Motor
☒ Other pier ☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded

Meter ID# EXO3

Matrix: Fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Intestinal / 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 (PPT)	Sp COND (umhos/cm)	Temp. (C°)
EST	1210	5.8	0.3	3.9	5.04	55	7.34	0.14	285	19.39
CEN	1213		5.3		5.03	55	7.35	0.14	285	19.36

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	SA7275010	10/2/18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 um Filter	☒ Ice			
Chlorophyll	☒ CHLSUTE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-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:

A-b

Field/WIN ID →



G2TLHR0009

Location ↓



BLUE HOLE SPRING @ CAVERN

Signature: [Signature]

Date: 4/10/18

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:

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

Customer: TLH-ROC

Requester: Chris Green

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
File		Location ↓		Date 4/10/18 Time 1055		Date		(See pg 2)	
W		G2TLHR0007		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Lá...		MARSHALL CREEK @ SR2		Temp (C) 17.40		pH 7.41		Sample Depth 0.3	
		Salinity (ppt) 0.08		Comments		Sp. Conductance (umho/cm) 172		A	
Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Location ↓		Date 4/10/18 Time 1135		Date		(See pg 2)	
WIN/STORE		G2TLHR0037		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		RUSS MILL CREEK @ UNION RD		Temp (C) 17.60		pH 7.50		Sample Depth 0.2	
		Salinity (ppt) 0.11		Comments		Sp. Conductance (umho/cm) 234		A	
Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Location ↓		Date 4/10/18 Time 1240		Date		(See pg 2)	
WIN/STORE		G2TLHR0009		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		BLUE HOLE SPRING @ CAVERN		Temp (C) 19.39		pH 7.34		Sample Depth 0.3	
		Salinity (ppt) 0.14		Comments		Sp. Conductance (umho/cm) 285		A	
Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Location ↓		Date 4/10/18 Time 1250		Date		(See pg 2)	
WIN/STORE		G2TLHR0016		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		CHIPOLA RIVER @ MAGNOLIA R		Temp (C) 18.79		pH 7.70		Sample Depth 0.25	
		Salinity (ppt) 0.11		Comments		Sp. Conductance (umho/cm) 240		A	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
SRJ	4/10/18 1505	AD	1	JR	4/10/18 3105

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

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

Meter ID:

Exo3

RQ:

2018
04-09-52

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	4/6/14	402	21.7	8.74	8.74	100	-	1.06	P/F	L/F
ICV	↓	↓	812	21.8	8.78	8.78	100	-	-	P/F	L/F
CCV	↓	↓	1340	18.7		9.34	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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	4/10/18	804	180116B	01/19	1000	1000	P/F	L/F
ICV	↓	↓	814	2710781	09/19	100	95	P/F	L/F
CCV	↓	↓	1342	180116B	01/19	1000	998	P/F	L/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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	4/10/18	406	17112A	06/19	7.0	7.0	-33.3	P/F	L/F
Calibr.	↓	↓	808	180116D	01/19	4.0	4.0	140.2	P/F	L/F
Calibr.	↓	↓	810	180221E	09/19	10.0	10.0	202.9	P/F	L/F
ICV	↓	↓	816	180221E	09/19	10.0	10.0	-206.0	P/F	L/F
CCV	↓	↓	1345	180116D	01/19	4.0	4.0	139.8	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 $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 169.6, slope from 4 to 7 173.5 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes X 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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: