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:** 05-17-2018 (mm/dd/yyyy)

WIN/ Field ID: G2TLHR0009 **WBID:** 51Z **Latitude:** 30.8201838 (Decimal Degrees)

County: Jackson **ORG ID:** 21FLTLHR **Longitude:** 85.2452327 (Decimal Degrees)

Receiving Body of Water: Chipola Rvier **RQ-2018-** 05-14-31

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Chris Green	✓		✓		
Jon Woods		✓		✓	

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

Collection Method
- [ ] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [x] Other Dock [ ] 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)	12:15	4.3	0.3	0.9	11.07	128.7	7.62	0.15	319 ~~318.9~~ CC	22.74
CEN	12:20		3.8		3.74	40.6	7.40	0.16	331.7	19.89

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 [x] H_2SO_4	7163030	6-12-18	[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-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-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: Chris G **Date:** 5-17-2018

Enter Field Parameters, Verify Station ID In LIMS DMT: CC 6-11-18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

Scan/Save Field Sheets CC 6-11-18 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

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: EXO 3 RQ- Project: SMP 1405

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 4/2017

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.	Jon Woods	5/12/14	806	22.4	8.68	8.62	99.3	—	1.06	(P) F	(L) F
ICV	"	"	821	23.4	8.51	8.44	99.2	—	—	(P) F	(L) F
CCV	Chris Green	"	1537	20.87	8.94	8.88	99.3	—	—	(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.	Jon Woods	5/12/14	810	160403A	4/2019	1000	1000	(P) / F	(L) F
ICV	"	"	819	2802633	1/2020	100	99.6	(P) / F	(L) F
CCV	Chris Green	"	1535	2802833	1/20	100	99.2	(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.	Jon Woods	5/12/14	812	171121A	6/2019	7.0	7.0	-36.9	(P) / F	(L) / F
Calibr.	"	"	813	1801160	1/2019	4.0	4.0	139.3	(P) / F	(L) / F
Calibr.	"	"	815	1802216	9/2019	10.0	10.0	-207.0	(P) / F	(L) / F
ICV	"	"	817	"	"	10.0	10.0	-206.9	(P) / F	(L) F
CCV	Chris Green	"	1530	1801160	1/19	4.0	4.0	—	(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 7 176.2 (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 _____

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:

Form effective October 1, 2017

Request Number: RQ-2018-05-14-31

kit A w/ bacteria

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Project ID: SMP

Requester: Chris Green

Collected By: Chris Green / Sam Woods

Field Report Prepared By: Chris Green

Sampling Agency: 8034

Field/WIN ID → G2TLHR0011

Location → CHIPOLA RIVER

Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5-17-18 Time 10:30	Eastern Central	Composite end Date — Time —	Bottle Group(s) (See pg 2) A
				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.49	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
				Temp (C) 22.98	pH 7.87	Sample Depth 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm) 263.3	
				Salinity (ppt) 0.12	Comments			

Field/WIN ID → G2TLHR0016

Location → CHIPOLA RIVER @ MAGNOLIA R

Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5-17-18 Time 11:35	Eastern Central	Composite end Date — Time —	Bottle Group(s) A
				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.62	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
				Temp (C) 23.67	pH 7.69	Sample Depth 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm) 281.3	
				Salinity (ppt) 0.13	Comments			

Field/WIN ID → G2TLHR0009

Location → BLUE HOLE SPRING @ CAVERN

Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5-17-18 Time 12:15	Eastern Central	Composite end Date — Time —	Bottle Group(s) A
				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 11.07	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
				Temp (C) 22.74	pH 7.62	Sample Depth 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm) ~~318.9~~ 319	
				Salinity (ppt)	Comments			

Field/WIN ID → G2TLHR0007

Location → MARSHALL CREEK @ SR2

Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5-17-18 Time 12:50	Eastern Central	Composite end Date — Time —	Bottle Group(s) A
				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 6.82	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
				Temp (C) 22.87	pH 7.63	Sample Depth ~~0.25~~ 0.25 ☐ ft ☒ m	Sp. Conductance (umho/cm) 211.1	
				Salinity (ppt)	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
C. Green	5-17-18 / 15:20	Hand		SR2	5-17-18 / 3:21