



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Unnamed Branch @ Flat Creek Rd

Date: 11/20/2018
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0031

WBID: 477

Latitude: 30.628287

County: Gadsden

ORG ID: 21FLTLHR

Longitude: 84.825169
(Decimal Degrees)

Receiving Body of Water: Flat Creek

RQ-2018- 10-06-19
(Decimal Degrees)

Sampling Team Members

WQ Measurements
Sample Collection
Documentation
Preservation
Preservation Check

Paul Blair
Blake Spencer

Sampling Equipment

☒ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☒ Syringe
☐ Dipper ☐ Other
Depth Measured with VSE (Biology #2)
Equipment ID

Collection Method

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

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

Meter ID# Biology #2

Matrix: fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Intestinal / Flowing / NA

Tide: Rising/ Falling/ Slack/ NA

Tide Times: High NA Low NA

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	<u>1515</u>	<u>0.6</u>	<u>0.3</u>	<u>VOB</u>	<u>9.19</u>	<u>94.4</u>	<u>7.11</u>	<u>0.05</u>	<u>110</u>	<u>16.39</u>
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	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	<u>598274050</u>	<u>10/1/19</u>	☒ <2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☒ HNO3	<u>NA9197080</u>	<u>07/16/19</u>	☒ <2
Filtered Nutrients	☒ W-P04-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-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-ER321-DI ☒ W-ER321-MS ☒ W-CARB-AA ☒ W-PCL-SQ-R ☒ W-PYR-AA-R ☒ W-GLYPH ☐	☒ Ice ☐ Other			

Notes:

kit: C-b pesticides

Place Label Here

Signature:

Blake Spencer

Date:

11/20/18

Enter Field Parameters, Verify Station ID In LIMS DMT:

11/21/18
(Initials/Date)

QC Station ID, Field Parameters in LIMS DMT:

11-30-18
(Initials/Date)

Scan/Save Field Sheets

12-14-18
(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data in WIN:

(Initials/Date)

Florida Department of Environmental Protection

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Requester: Michael Eckles

Project ID: SMP

Collected By: Paul Blair + Blake SpencerField Report Prepared By: Blake SpencerSampling Agency: FDEP

Location		600		Collection (comp begin or grab)		Date 11/20/18		Time 1515		Composite end		Date		Time		Bottle Group(s)	
Field ID		62TLHRO031		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		94.4		mg/L		Total Res. Chlorine		(See pg 2)	
WIN/STORET #		G2TLHRO031		Temp (C)		16.39		pH		7.11		ft		Sp. Conductance (umho/cm)		110	
Latitude		30.628287		dd		dms		Longitude		-84.825169		dd		dms		C	
Location				Salinity (ppt)		0.05		Comments									
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				mg/L		Total Res. Chlorine		Bottle Group(s)	
WIN/STORET #				Temp (C)				pH				ft		Sp. Conductance (umho/cm)			
Latitude				dd		dms		Longitude				dd		dms			
Location				Salinity (ppt)				Comments									
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				mg/L		Total Res. Chlorine		Bottle Group(s)	
WIN/STORET #				Temp (C)				pH				ft		Sp. Conductance (umho/cm)			
Latitude				dd		dms		Longitude				dd		dms			
Location				Salinity (ppt)				Comments									
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				mg/L		Total Res. Chlorine		Bottle Group(s)	
WIN/STORET #				Temp (C)				pH				ft		Sp. Conductance (umho/cm)			
Latitude				dd		dms		Longitude				dd		dms			
Location				Salinity (ppt)				Comments									
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				mg/L		Total Res. Chlorine		Bottle Group(s)	
WIN/STORET #				Temp (C)				pH				ft		Sp. Conductance (umho/cm)			
Latitude				dd		dms		Longitude				dd		dms			
Location				Salinity (ppt)				Comments									
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				mg/L		Total Res. Chlorine		Bottle Group(s)	
WIN/STORET #				Temp (C)				pH				ft		Sp. Conductance (umho/cm)			
Latitude				dd		dms		Longitude				dd		dms			
Location				Salinity (ppt)				Comments									

Relinquished By: <u>Paul Blair</u>	Date/Time: 11-20-18 16:46	Shipping Method:	Number of Coolers Shipped:	Received By: <u>AK</u>	Date/Time: 11-20-18 16:50
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Group: B	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	0
Group: B	Bottle Type: QPCR-P-500ML PCR-FILTER	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	0
Group: B	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	0
Group: B	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
Group: B	Bottle Type: P-125ML W-PO4-F	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	0
Group: C	Bottle Type: P-1L ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: BP-1L CHLSUITE-W	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: QPCR-P-500ML PCR-FILTER	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: BG-500ML W-CARB-AA	# of Bottles: 2	Preservative: CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1

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 name.

Meter ID: Bio/03V#2

RQ- 2018-09-10-63
2018-10-29-72
2018-10-08-19

Project: 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.

Circle/Fill In: Lab Calibration or

Calibration/Verification on Site 6/26/18

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 6/26/18

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.	Blake Spencer	11/20/18	0905	20.42	9.021	9.02	100	71.7	—	P / F	L / F
ICV	Blake Spencer	11/20/18	0907	20.41	9.021	9.02	100	71.7	—	P / F	L / F
CCV	Blake Spencer	11/20/18	1653	20.50	9.003	9.03	100.3	64.5	—	P / F	L / F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	Blake Spencer	11/20/18	913	180621C	07/2019	10000	10000	P / F	L / F
ICV	Blake Spencer	11/20/18	0914	180621C	07/2019	10000	1001	P / F	L / F
CCV	Blake Spencer	11/20/18	1654	1805F91	05/2020	100	103	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.	Blake Spencer	11/20/18	0919	180621E	01/2020	7.0	7.0	-6.5	P / F	L / F
Calibr.	Blake Spencer	11/20/18	0922	180621D	07/2019	4.0	4.0	167.0	P / F	L / F
Calibr.	Blake Spencer	11/20/18	0926	180403D	10/2019	10.0	9.95	-167.4	P / F	L / F
ICV	Blake Spencer	11/20/18	0927	180403D	10/2019	10.0	9.96	-167.4	P / F	L / F
CCV	Blake Spencer	11/20/18	1655	180621D	07/2019	4.0	3.95	167.8	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 _____, slope from 4 to 7 _____ (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	Blake Spencer	11/20/18	0929	0.00	0.00	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: