



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2018

WIN Station Name: Sand Hill Creek @ SW Hwy358

Date: 4/12/2018

(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0060

WBID: 3674

Latitude: 29.676888

(Decimal Degrees)

County: Dixie

ORG ID: 21FLTLHR

Longitude: 83.340666

(Decimal Degrees)

Receiving Body of Water: Steinhatchee River

RQ-2018-04-09-53

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Jessie Tolbert Jade Burtchett					☒	☒	☒	☒	☒	☒ 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 / <u>High</u> / Flooded					Meter ID# <u>YSI EXO 3</u>					Matrix: <u>Fresh</u> / Marine / DI				
Photos: Yes / <u>No</u>					Flow: No Flow / Intestinal / <u>Flowing</u> / NA					Tide: Rising/ Falling/ Slack/ <u>NA</u>				
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	11:05	1.0	0.3	1.0s	6.82	70.9	7.51	0.14	298	17.1				
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	7163030	6/12/18	☒ <2					
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3			☐ <2					
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice								
Chlorophyll	☒ CHL-SUITE-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-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA					☐ Ice								
	☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R					☐ Other								

Notes:

A-b Secchi VOB

Field/WIN ID →



G1TLHR0060

Location ↓

Sand Hill Creek @ SW Hwy 358

Signature: JTA

Date: 4/13/2018

Enter Field Parameters, Verify Station ID in LIMS DMT: JTA 4/13/18

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets JTA 4/13/18

Migrate Data to WIN: JTA 4/13/18

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(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 name.

Meter ID: Exo 3

RQ-

Project: Smp2016

- 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. Burchett	4/12/18	750	20.5	9.00	9.00	100	-	1.05	<u>P</u> /F	<u>F</u> /F
ICV	<u>✓</u>	<u>✓</u>	800	19.4	9.20	9.21	100	-	-	<u>P</u> /F	<u>F</u> /F
CCV	<u>✓</u>	<u>✓</u>	255	1400	8.19	8.20	100	-	-	<u>P</u> /F	<u>F</u> /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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	J. Burchett	4/12/18	752	180616B	01/19	1000	1000	<u>P</u> /F	<u>F</u> /F
ICV	<u>✓</u>	<u>✓</u>	802	2710381	09/19	100	95	<u>P</u> /F	<u>F</u> /F
CCV	<u>✓</u>	<u>✓</u>	1402	180616B	01/19	1000	998	<u>P</u> /F	<u>F</u> /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. Burchett	4/12/18	754	171121A	06/19	7.0	7.0	-33.8	<u>P</u> /F	<u>F</u> /F
Calibr.	<u>✓</u>	<u>✓</u>	756	180616D	01/19	4.0	4.0	142.9	<u>P</u> /F	<u>F</u> /F
Calibr.	<u>✓</u>	<u>✓</u>	758	140221E	09/19	10.0	10.0	-205.6	<u>P</u> /F	<u>F</u> /F
ICV	<u>✓</u>	<u>✓</u>	804	140221E	09/19	10.0	10.0	-204.9	<u>P</u> /F	<u>F</u> /F
CCV	<u>✓</u>	<u>✓</u>	1404	180616D	01/19	4.0	4.0	141.7	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 10 171.4, slope from 4 to 7 176.7 (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 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:

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: RQ- Project:

- 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 _____

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.										P / F	L / F
ICV										P / F	L / F
CCV										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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.								P / F	L / F
ICV								P / F	L / F
CCV								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.						7.0			P / F	L / F
Calibr.						4.0			P / F	L / F
Calibr.						10.0			P / F	L / F
ICV									P / F	L / F
CCV									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						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:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

kit A w/ bacteria

Customer: TLH-ROC

Project ID: SMP

Requester: Chris Green

Field Report Prepared By: Tolbert

Collected By: Jessica Tolbert, Jane Buckett

Sampling Agency: 8034

Locality	Field/WIN ID →	Field I	Location ↓	WIN#	Latitude	Longitude	dd	dms	Rocky Creek
Loc	Field/WIN ID →	Field	Location ↓	WIN	Latitude	Longitude	dd	dms	Boggy Creek
Loc	Field/WIN ID →	Field	Location ↓	WIN	Latitude	Longitude	dd	dms	Sand Hill Creek @ SW Hwy 358

☐ Comp ☒ Grab Matrix (type, e.g., Salt, Fresh, etc) Temp (C) Salinity (ppt) pH Diss. Oxygen Sample Depth Sp. Conductance (umho/cm) Total Res. Chlorine (mg/L) % sat Composite end Date Time Bottle Group(s) (See pg 2)	Collection (comp begin or grab) Date 4/12/18 Time 10:30 Fresh 7.18 0.15 211 A
☐ Comp ☒ Grab Matrix (type, e.g., Salt, Fresh, etc) Temp (C) Salinity (ppt) pH Diss. Oxygen Sample Depth Sp. Conductance (umho/cm) Total Res. Chlorine (mg/L) % sat Composite end Date Time Bottle Group(s) (See pg 2)	Collection (comp begin or grab) Date 4/12/2018 Time 10:45 Fresh 7.39 0.3 214 A
☐ Comp ☒ Grab Matrix (type, e.g., Salt, Fresh, etc) Temp (C) Salinity (ppt) pH Diss. Oxygen Sample Depth Sp. Conductance (umho/cm) Total Res. Chlorine (mg/L) % sat Composite end Date Time Bottle Group(s) (See pg 2)	Collection (comp begin or grab) Date 4/12/2018 Time 11:05 Fresh 7.51 0.3 298 A
☐ Comp ☒ Grab Matrix (type, e.g., Salt, Fresh, etc) Temp (C) Salinity (ppt) pH Diss. Oxygen Sample Depth Sp. Conductance (umho/cm) Total Res. Chlorine (mg/L) % sat Composite end Date Time Bottle Group(s) (See pg 2)	Collection (comp begin or grab) Date 4/12/2018 Time 11:05 Fresh 7.51 0.3 298 A

Relinquished By: Tolbert/Buckett	Date/Time: 4/12/2018 13:53	Shipping Method: HD	Number of Coolers Shipped: 1	Received By: [Signature]	Date/Time: 4/12/18 1758
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Group: A	Bottle Type:	P-1L	# of Bottles: 25	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 25	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 25	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ECOLI-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 25	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 25	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3
	W-PO4-F						

Sampling Agency:

Relinquished By: Tobias Burgett	Date/Time 4/12/18	Shipping Method FD	Number of Coolers Shipped: 1	Received By: 	Date/Time 4/12/18
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Group: A	Bottle Type:	P-1L	# of Bottles: 25	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 25	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 25	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	ECOLL-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 25	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 25	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-PO4F						

Cooler Packing Worksheet for Request: RQ-2018-04-09-52

kit A w/ bacteria

Ship Cooler On: 4/5/2018

Customer/Project: TLH-ROC/SMP

Assigned To: REYNOLDS_T

Requester: Chris Green

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Chris Green

Comments:

no FedEx bills

no zip ties

1 - case of sulfuric acid

Requested Analyses:

Bottle Group: A

of Sites: 25

Container ID: P-1L

Qty: 25 Preservation: ICE

Lot # 1215081

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 25 Preservation: ICE

Lot # 1215081

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-250ML-WO-THI

Qty: 25 Preservation: ICE

Lot # 617048

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: P-500ML

Qty: 25 Preservation: ICE And H2SO4

Lot # 00076440

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 25 Preservation: FILTER-ICE

Lot # 00069732

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: Tyler R.

Number of Coolers: 6

Date: 04/02/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID <u>sulfuric acid</u>	Exp <u>10/02/18</u>	Lot # <u>7275010</u>
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2018-04-09-52