



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Tanyard Branch 100 meters upstream of Ralph Strong Rd.

Date: 7/24/2019
(mm/dd/yyyy)

WIN/ Field ID: G1WA0005

WBID: 595

Latitude: 30.5832
(Decimal Degrees)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.5519
(Decimal Degrees)

Receiving Body of Water: Quincy Creek

RQ- 2019-07-22-11

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment								
Gertis Musson Blake Spencer						X	X	X	X	X	☒ Sample Container	☐ Van Dorn	☐ Pole						
											☐ Carboy	☒ Syringe							
											☐ Dipper	☐ Other							
Depth Measured with						Meter Stick						Equipment ID							
Collection Method																			
☒ Wading						☐ Canoe/Kayak													
☐ From Shore						☐ Electric Motor													
☐ Other						☐ Gasoline Motor													
Water Level: Dry/ Pooled/ Low / Normal / High / Flooded												Meter ID# ProDSS 18J104543				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	13:07	0.4	0.5	0.2	5.70	69.7	6.44	0.06	121.5	25.6									
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		SA8344020		12/10/19		<2							
Metals		W-ICPMS W-ICP				Ice HNO3		NA9099030		4/9/20		<2							
Filtered Nutrients		W-PO4-F Field Filtered 0.45 µm Filter				Ice													
Chlorophyll		CHL5:ITE-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: Nutrients Metals E. coli Pictures												WIN ID / FILED ID → G1WA0005 Location Tanyard Branch 100 meters upstream of Ralph Strong Rd.							
Signature: [Signature]												Date: 7/24/19							

LIMS EVENT ID: WAS-SECT-2019-07-24-01

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: 7/25/19

QC Station ID, Field Parameters In LIMS DMT: 8/23/19

Scan/Save Field Sheets (Initials/Date)

Migrate Data to WIN: (Initials/Date)

Verify Data In WIN: (Initials/Date)

Field Report Prepared By: Bleke Spencer

Caroline Auer

FADFD

Location	WIN ID / FILED ID	Collection (comp begin or grab)	Composite end	Bottle Group(s)
Field ID		☒ Grab Date 7/24/19 Time 9:00	☒ mg/L Total Res. Chlorine	C
WIN/STORET #	Location Cahey Creek Downstream of 158A	Temp (C) 24.4 pH 7.2	Diss. Oxygen 7.7	
Latitude	☐ dd ☐ dms	Salinity (ppt) 0.07	Sample Depth 0.1	
Location	WIN ID / FILED ID	☐ Comp Collection (comp begin or grab)	☒ Eastern Central	D
Field ID		☒ Grab Date 7/24/19 Time 14:39	☒ mg/L Total Res. Chlorine	
WIN/STORET #	Location Quincy Creek upstream of SR 65	Temp (C) 25.7 pH 5.98	Diss. Oxygen 90.1	
Latitude	☐ dd ☐ dms	Salinity (ppt) 0.03	Sample Depth 0.2	
Location	WIN ID / FILED ID	☐ Comp Collection (comp begin or grab)	☒ Eastern Central	D
Field ID		☒ Grab Date 7/24/19 Time 13:07	☒ mg/L Total Res. Chlorine	
WIN/STORET #	Location Tanyard Branch 100 meters upstream of Ralph Strong Rd.	Temp (C) 25.6 pH 6.44	Diss. Oxygen 69.7	
Latitude	☐ dd ☐ dms	Salinity (ppt) 0.06	Sample Depth 0.2	
Location	WIN ID / FILED ID	☐ Comp Collection (comp begin or grab)	☒ Eastern Central	A
Field ID		☒ Grab Date 7/24/19 Time 13:32	☒ mg/L Total Res. Chlorine	
WIN/STORET #	Location Quincy Creek 100 meters upstream of Ralph Strong Rd	Temp (C) 25.7 pH 6.52	Diss. Oxygen 86.8	
Latitude	☐ dd ☐ dms	Salinity (ppt) 0.03	Sample Depth 0.3	

Requiring Shipped By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Ann BS	7/24/15 5:52 PM	HD	4	John D.	07/24/19 @ 3:55

Received By:	Date/Time
<i>[Signature]</i>	07/24/19 @ 3:51

last revised Jan 25, 2018

Field Report Prepared By:

Sampling Agency:

Location	WIN ID / FILED ID	WIN ID / FILED ID	Collection (comp begin or grab)	Eastern Composite end	Time	Bottle Group(s)
Field ID			☒ Grab	Date	11:16	Bottle Group(s) (See pg 2)
WIN/STORET #	Location Sivamp Creek upstream of Railroad	G1WA0052	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	85.8	
Latitude	☐ dd ☐ dms	Longitude	Temp (C)	24.9	pH	8.98
Location	☐ dd ☐ dms	Salinity (ppt)	0.04	Comments		
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms	Salinity (ppt)	Comments			
Field ID			☐ Comp ☐ Grab	Collection (comp begin or grab)	Time	Eastern Composite end Date
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen		
Latitude	☐ dd ☐ dms	Longitude	Temp (C)		pH	
Location	☐ dd ☐ dms					

Group: A

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: A

Bottle Type:

BP-1L

of Bottles: 1

Preservative:

ICE

Enter Number of Bottles Sent to Lab

CHLSUITE-W

Group: A

Bottle Type: P-250ML-WO-THI

of Bottles: 1

Preservative:

ICE

Enter Number of Bottles Sent to Lab

ECOLI-18QT

Group: A

Bottle Type: QPCR-P-500ML

of Bottles: 1

Preservative:

ICE

Enter Number of Bottles Sent to Lab

PCR-HF183

Group: A

Bottle Type: BG-500ML

of Bottles: 1

Preservative:

CH2ClCOOH
Pre-Preserved

Enter Number of Bottles Sent to Lab

W-CARB-AA

Group: A

Bottle Type: BG-500ML

of Bottles: 4

Preservative:

ICE

Enter Number of Bottles Sent to Lab

W-CT-CL-R

W-PCL-SQ-R

Group: A

Bottle Type: BG-500ML

of Bottles: 1

Preservative:

ICE

Enter Number of Bottles Sent to Lab

W-E8321-DI

W-E8321-MS

Group: A

Bottle Type: P-500ML

of Bottles: 1

Preservative:

HNO3

Enter Number of Bottles Sent to Lab

W-ICP

W-ICPMS

LOT# NA9099030
EXP: 04/09/20

Group: A

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

H2SO4
LOT# SA6344070
EXP: 12/10/2019

Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: B	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	1
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: ECOLL-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-CARB-AA	BG-500ML	# of Bottles: 1	Preservative: CH2CICOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-CT-Cl-R W-PCL-SQ-R	BG-500ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3 LOT# NA909030 EXP: 04/09/20	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4 H2SO4 LOT# S8634070 EXP: 12/10/2019	Enter Number of Bottles Sent to Lab	1

Group: B Bottle Type: P-500ML # of Bottles: 1 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab 1
W-TKN H2SO4
W-TOC LOT# S98344076
EXP: 12/10/2019

Group: B Bottle Type: P-125ML # of Bottles: 1 Preservative: FILTER-ICE Enter Number of Bottles Sent to Lab 1
W-PO4-F

Group: B Bottle Type: BG-1L # of Bottles: 2 Preservative: ICE Enter Number of Bottles Sent to Lab 2
W-PSNP-TQ

Group: C 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: C Bottle Type: BP-1L # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab 1
CHLSUITE-W

Group: C Bottle Type: P-250ML-WO-THI # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab 1
ECOLL-18QT

Group: C Bottle Type: QPCR-P-500ML # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab 1
PCR-BACR

Group: C Bottle Type: BG-500ML # of Bottles: 1 Preservative: CH2CICOOH Pre-Preserved Enter Number of Bottles Sent to Lab 1
W-CARB-AA

Group: C Bottle Type: BG-500ML # of Bottles: 2 Preservative: ICE Enter Number of Bottles Sent to Lab 2
W-CT-CI-R
W-PCL-SQ-R

Group: C Bottle Type: BG-500ML # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab 1
W-E8321-DI
W-E8321-MS

Group: C Bottle Type: P-500ML # of Bottles: 1 Preservative: HNO3 Enter Number of Bottles Sent to Lab 1
W-ICP

HNO3
LOT# NA9089030
EXP: 04/08/20

Group: C Bottle Type: P-500ML # of Bottles: 1 Preservative: HNO3 Enter Number of Bottles Sent to Lab 1
W-ICPMS

Group: C Bottle Type: P-500ML # of Bottles: 1 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab 1
W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

H2SO4
LOT# S68344070
EXP: 12/10/2019

Group: C Bottle Type: P-125ML # of Bottles: 1 Preservative: FILTER-ICE Enter Number of Bottles Sent to Lab 1
W-PO4-F

Group: C Bottle Type: BG-1L # of Bottles: 2 Preservative: ICE Enter Number of Bottles Sent to Lab 2
W-PSNP-TQ

Group: D 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: D Bottle Type: BP-1L # of Bottles: 3 Preservative: ICE Enter Number of Bottles Sent to Lab 2
CHLSUTE-W

Group: D Bottle Type: P-250ML-WO-THI # of Bottles: 3 Preservative: ICE Enter Number of Bottles Sent to Lab 2
ECOL-18QT

Group: D Bottle Type: P-500ML # of Bottles: 3 Preservative: HNO3 Enter Number of Bottles Sent to Lab 2
W-ICP
W-ICPMS

HNO3

LOT# NA9099030

EXP: 04/08/20

Group: D 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

H2SO4
LOT# S68344070
EXP: 12/10/2019

Group: D	Bottle Type: W-TOC	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
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Group: D	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 3	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
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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: 18J104542 RQ: 2019-07-22-11 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 _____

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.	B. Spencer	7/24/19	0726	21.3	9.80	9.40	99.2	—	—	P / F	L / F
ICV	B. Spencer	7/24/19	0729	21.4	9.79	9.76	99.2	—	—	P / F	L / F
CCV	B. Spencer	7/24/19	1600	23.0	8.52	8.64	100.7	—	—	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.	B. Spencer	7/24/19	0729	190618P	6/2020	1000	1000	P / F	L / F
ICV	B. Spencer	7/24/19	0730	190618P	6/2020	1000	1000	P / F	L / F
CCV	B. Spencer	7/24/19	1604	2808884	7/2020	100	103.9	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.	B. Spencer	7/24/19	0733	180621E	01/2020	7.02	7.02	-30.6	P / F	L / F
Calibr.	B. Spencer	7/24/19	0736	190618A	12/2020	4.00	4.00	144.5	P / F	L / F
Calibr.	B. Spencer	7/24/19	0739	180621F	01/2020	10.03	10.03	-201.0	P / F	L / F
ICV	B. Spencer	7/24/19	0740	180621F	01/2020	10.03	10.03	-201.3	P / F	L / F
CCV	B. Spencer	7/24/19	1608	190618A	12/2020	4.00	4.09	139.9	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	B. Spencer	7/24/19	0739	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:

Cooler Packing Worksheet for Request: RQ-2019-07-22-11

G1 Streams

Ship Cooler On: 7/18/2019

Customer/Project: WAS-SECT/SMP

Assigned To: SHAIK_A

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Please return
packing list with
sample submittal
forms.

Comments:

Group A: Quincy Creek 1303A

Nutrients, Metals, PCR-HF183, Pesticides, E.coli

Group B: Swamp Creek 427

Nutrients, Metals, Pesticides, E.coli

Group C: Caney Creek, 716

Nutrients, Metals, PCR-BacR, Pesticides, E.coli

Group D: Quincy Creek (Upstream). 1303 & Tanyard Branch, 595, 647M Alford Arm

Nutrients, Metals, E. coli

Alford Arm not
sampled
Arm 7/24/19

Packing Notes:

No FedEx labels

No Trash Bags

1 case H2SO4

2 sets H2SO4 labels

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1

Preservation: ICE

Lot # 00073854

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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1248230

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250¹²⁰ML-WO-THI

Qty: 1 Preservation: ICE

Lot # 6M01TN

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 00073849

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-HF183

Description

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML

Qty: 1 Preservation: CH2CICOOH Pre-Preserved

Lot # 00074346

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 00074346

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-CI-R

W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00074346

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00074433

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00074433

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: 1 Preservation: FILTER-ICE

Lot # 00074430

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00073598

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: B# of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00073854

Description: Plastic Bottle 1L

Analysis

ALKALINITY

Description

Alkalinity in aqueous matrices as mg CaCO3/L

TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1248230

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: ¹²⁰~~P-250ML~~-WO-THI

Qty: 1 Preservation: ICE

Lot # 6M01-TN

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: BG-500ML

Qty: 1 Preservation: CH2CICOOH Pre-Preserved

Lot # 50074346

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 50074346

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-CI-R

W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 50074346

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00074433

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00074433

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: 1 Preservation: FILTER-ICE

Lot # 00074430

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Container ID: BG-1L

Qty: 2 Preservation: ICE

Lot # 00073598

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: C

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00073854

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1248230

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250¹²⁰ML-WO-THI

Qty: 1 Preservation: ICE

Lot # 64501-TN

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 00073849

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-BACR

Description

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML

Qty: 1 Preservation: CH2CICOOH Pre-Preserved

Lot # 00074346

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 00074346

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-Cl-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

W-PCL-SQ-R

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00074346

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00074433

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00074433

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: 1 Preservation: FILTER-ICE

Lot # 00074430

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Container ID: BG-1L

Qty: 2 Preservation: ICE

Lot # 00073598

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: D

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # _____

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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 3 Preservation: ICE

Lot # 1248238

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: 3 Preservation: ICE

Lot # 6M01-TN

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 3 Preservation: HNO3

Lot # 50074433

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 50074433

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

W-S-A-TP

Total Phosphorus in aqueous matrices as mg P/L

W-TKN

Total Kjeldahl Nitrogen in aqueous matrices

W-TOC

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 3 Preservation: FILTER-ICE

Lot # 8874430

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: ABP

Number of Coolers: 5

Date: 7-17-19

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

ID <u>MCA</u>	Exp <u>11-1-20</u>	Lot # <u>88739</u>
ID <u>H2SO4</u>	Exp _____	Lot # _____
ID <u>LOT# SA9129100</u>	Exp _____	Lot # _____
ID <u>EXP: 05/07/2020</u>	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2019-07-22-11