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

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

Meter ID: Stitch RQ- 2019-12-16-3 Project: Suwannee North

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.

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-(ET)	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	K. McDonald	12/18/19	0733	22.5	758.3	8.6	8.66	99.8	—	1.025	(P) / F	(L) F
ICV	↓	↓	0736	22.4	758.4	8.7	8.66	99.9	—	1.025	(P) / F	(L) F
CCV	AK Mbacher	12-18-19	1550	20.8	759.5	8.9	8.92	99.5	—		(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 (Pro DSS 0.75 to 1.50); 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.	K McDonald	12/18/19	0738	191018	10/20	1000	1000	(P) F	(L) F
ICV	↓	↓	0741	190711A	07/20	100	103.6	(P) / F	(L) / F
CCV	AK Mbacher	12-18-19	1553	191018	10/2020	1,000	1,001	(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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	K. McDonald	12/18/19	0744	2902778	01/21	7.01	22.8	7.01	-21.8	(P) / F	(L) F
Calibr.	↓	↓	0746	2907D02	07/21	4.00	23.6	4.00	162.4	(P) / F	(L) / F
Calibr.			0749	2904E91	10/20	10.02	23.7	10.02	-189.7	(P) / F	(L) F
ICV	↓	↓	0751	2902778	01/21	7.01	22.8	7.03	-17.1	(P) / F	(L) / F
CCV	AK Mbacher	12-18-19	1555	2904E91	10/2020	10.02	23.5	10.00	191.3	(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 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? (YES) / NO / NA (not surf. water project)
If **YES**, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 10/23/2019
If **NO**, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: _____; Date of last 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	K McDonald	12/18/19	0754	0.00	0.00	(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:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: CANNON CR @ CANNON CR RD/BUSINESS PARK POINT W CR 47 **Date:** 12/18/2019 (mm/dd/yyyy)

WIN/ Field ID: 21030138 **WBID:** 3520 **Latitude:** 30.12705 (Decimal Degrees)

County: Columbia **ORG ID:** 21FLA **Longitude:** -82.65485 (Decimal Degrees)

Receiving Body of Water: Canon creek sink **RQ-2019-** 12-16-34

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Amy Kalmbacher		X		X	X
Kelly McDonald	X		X		

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

Collection Method
- [ ] Wading [ ] Canoe/Kayak
- [X] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** YSI ProDSS Stitch **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)	1030	0.10	0.05	VOB S	7.83	73.8	7.66	0.07	155.6	12.6
CEN										

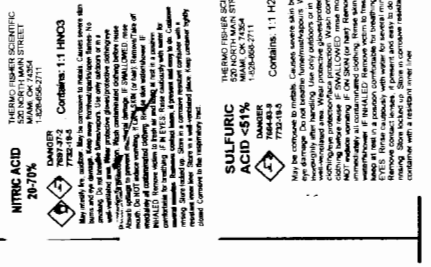
Biological Samples Collected: (None) HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	[X] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[X] Ice [X] H_2SO_4	SA9203100	07/20	[X] <2
Metals	[X] W-ICPMS [X] W-ICP	[X] Ice [X] HNO_3	NA9099030	04/20	[X] <2
Filtered Nutrients	[X] W-PO4-F [X] Field Filtered 0.45 µm Filter	[X] Ice	R9EA32199		
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-BR-IC / 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 [X] PCR-BacR [ ] PCR-GULL2 [X] PCR-HF183 [X] PCR-DG3 [ ] PCR-GFD	[X] Ice			
Tracers	[ ] W-E8321-DI [ ] W-E8321-MS	[ ] Ice			
Pesticides	[X] W-PSNP-TQ [X] W-CT-CL-R [X] W-E8321-DI [X] W-PCL-SQ-R [X] WE8321-MS [X] W-CARB-AA	[X] Ice			
Phytoplankton	[ ] DTY-QN-C [ ] PKD-QN-C	[ ] Ice			

Contains: 1:1 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No.: NA9099030
Expires: 04/09/20
See Safety Data Sheet (SDS)



Notes:

WIN / Field ID: 21030138

CANNON CR @ CANNON CR RD/ BUSINESS PARK POINT W CR 47

Signature: Kelly A McDonald **Date:** 12/18/19

LIMS EVENT ID: **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** (Initials/Date)

Scan/Save Field Sheets (Initials/Date) **Migrate Data to WIN:** (Initials/Date) **Verify Data In WIN:** (Initials/Date)

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: Rocky Creek at 156th av. **Date:** 12/18/2019 (mm/dd/yyyy)

WIN/ Field ID: G1NE0020 **WBID:** 3641 **Latitude:** 29.8105 (Decimal Degrees)

County: Alachua **ORG ID:** 21FLA **Longitude:** -82.3744 (Decimal Degrees)

Receiving Body of Water: Santa Fe River **RQ-2019-** 12-16-34

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Amy Kalmbacher	X		X		
Kelly McDonald		X		X	X

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

Collection Method
- [X] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** YSI Pro DSS Stitch **Matrix:** (Fresh) / Marine / DI

Photos: Yes / (No) **Flow:** No Flow / Intestital / (Flowing) / NA **Tide:** Rising/ Falling/ Slack/ (NA) **Tide Times:** High Low

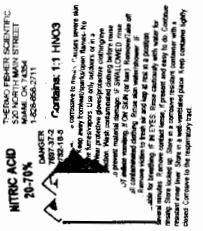
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
(EST)	1155	0.1	0.05	0.1 S	8.23	79	7.02	0.08	176.9	13.6
CEN										

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 [X] H_2SO_4	SA9203100	07/20	[X] <2
Metals	(W-ICPMS) [X] W-ICP	Ice [X] HNO_3	NA9129070	05/20	[X] <2
Filtered Nutrients	(W-PO4-F) [X] Field Filtered 0.45 µm Filter	Ice	R9EA32199		
Chlorophyll	(CHLSUITE-W)	[X] Ice			
Physical/Aggregate (Fresh)	(Alkalinity) / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[X] 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	[X] Ice			
Molecular	[ ] PCR-FILTER [X] PCR-BacR [ ] PCR-GULL2 [X] PCR-HF183 [X] PCR-DG3 [ ] PCR-GFD	[X] Ice			
Tracers	[ ] W-E8321-DI [ ] W-E8321-MS	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-CT-CL-R [X] W-E8321-DI [ ] W-PCL-SQ-R [X] WE8321-MS [ ] W-CARB-AA	[X] Ice			
Phytoplankton	[ ] DTY-QN-C [ ] PKD-QN-C	[ ] Ice			

Contains: 1:1 HNO3
Lot No.: NA9129070
Expires: 05/08/20
See Safety Data Sheet (SDS)



Contains: 1:1 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Notes:

WIN ID/Field ID: G1NE0020

Rocky Creek at 156th av.

Signature: **Date:**

LIMS EVENT ID: **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** (Initials/Date)

Scan/Save Field Sheets (Initials/Date) **Migrate Data to WIN:** (Initials/Date) **Verify Data In WIN:** (Initials/Date)

Cyanobacteria Bloom Response Field Data Sheet

RQ-2019- 08-05-44		**Collected By:**	K McDonald A Kalmbacher
Customer	Sunshine Lake	**Field Report Prepared By:**	K. McDonald
Project ID:	BLOOM_RESP	**Sampling Agency:**	FDEP DEAR

Field ID:

Comments:
- some filamentous on shore
- green algae obvious throughout water column
  ↳ easily visible

Collection Equipment: sample bottle + pole

Matrix: surface water / fresh (Grab)

Coordinates: 29.84246, -82.33667

Tide: ☐ Rising ☐ Falling ☐ Slack ☒ N/A

High Tide Time: — **Low Tide Time:** —

Water Quality

Date	Time ☒ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTh)	Secchi Disk (m)	Total Depth (m)
12/18/19	1240	7.30	77.9	18.5	6.61	0.321	578	0.03	VOB	1.246
	1242	7.15	76.3	18.5	6.60	0.778	580	0.03	S	

Bloom Observations

Algal Bloom Observed? ☒ Yes ☐ No

Water Surface	☒ Clear	☐ Scum	☐ Globs	☐ Slick
Water Clarity	☒ Clear	☐ Slightly Turbid	☐ Turbid	☐ Opaque
Bloom Color	☒ Green	☐ Red	☐ Brown	☐ Other:
Algae Distribution	☒ Suspended in water column		☐ On surface	☒ Other: some streaking on shore
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum	☐ Chemical Other:

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Bloom ID (PT-50ML)	☒ BLOOM-ID	☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice		1	B
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4	☒ <2	1	B
	Lot SA9203100	Exp: 07/2020	☒ <2		
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45um Filter	☒ Ice		1	B
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice ☐ Lugols		1	

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
Kelly McDonald	12/18/19	1		

SULFURIC ACID <51%
DANGER 7664-93-9 7732-18-5
Contains 1.1 H2SO4
THERMO FISHER SCIENTIFIC 520 NORTH MAIN STREET MIAMI, OK 74354 1-828-658-2711
May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fume/mist/vapours. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes.
Store locked up. Store in corrosive resistant container with a resistant inner liner.
Contains 1.1 H2SO4
Lot No. SA9203100
Expires 07/22/20
See Safety Data Sheet (SDS)

-08-05-44 needed

QAP

. BLOOM-RES

Florida Department of Environmental Protection

Central Laboratory Submittal Form

last revised Jan 25, 2018

2 of 2

Requester: Jeremy M. Parrish

Field Report Prepared By: K. McDonald

Collected By: K. McDonald, A. Kalmbacher

Sampling Agency: FL DEP DEAR

Location / ID		Collection		Composite end	Bottle Group(s)
Location:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 12/18/19 Time 1240 (Eastern) Central	Composite end Date Time	Bottle Group(s) (See pg 2) A + B
Field ID: WIN ID/Field ID: G1NE 0857		Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 7.30 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #: Sunshine Lake Center		Temp (C) 18.5	pH 6.61	Sample Depth 0.321 ☐ ft ☒ m	Sp. Conductance (umho/cm) 57.8
Latitude ☐ dms	☐ dd ☐ dms	Salinity (ppt) 0.03	Comments		
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments		
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments		
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments		

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Kelly A McDonald	12/18/19	FedEx	1		

Group: A	Bottle Type: BLOOM-W	PT-50ML	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-MCYST-AA	BG-250ML-WDMTH	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 8	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 8	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
~~Group: C~~	~~Bottle Type:~~ OV-MBAS-W	~~P-1L~~	~~# of Bottles: 2~~	Preservative:	ICE	Enter Number of Bottles Sent to Lab	~~0~~

~~Acked John Wyttis~~
~~May just discard~~

Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	1
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**	1
	W-PO4-F						
Group: A	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	4
	W-PSNP-TQ						
Group: B	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: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	CHLSUITE-W						
Group: B	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2 to ALS
	NE-ALS-ECQ						
Group: B	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	PCR-BACR PCR-DG3 PCR-HF183						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	W-E8321-DI W-E8321-MS						
Group: B	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						

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 p-500ml #bottles 1 preserv HNO3 ~~ICE~~ #bottles to lab 1

W-ICP
W-ICPMS

added by JP 8

Request Number: RQ-2019-12-16-34

Suwannee North

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Collected By: K.McDonald, A. Kalmbacher

Field Report Prepared By: K. McDonald

Sampling Agency: FL DEP DEAR

Location

WIN / Field ID: 21030138

CANNON CR @ CANNON CR RD/ BUSINESS PARK POINT W CR 47

☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 12/18/19 Time 1030 (Eastern) Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen 7.83 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 12.6 | pH 7.66 | Sample Depth 0.05 ☐ ft ☒ m | Sp. Conductance (umho/cm) 155.6

Salinity (ppt) 0.07 | Comments

Location

WIN ID/Field ID: G1NE0020

Rocky Creek at 156th av.

☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 12/18/19 Time 1155 (Eastern) Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen 8.23 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 13.6 | pH 7.02 | Sample Depth 0.05 ☐ ft ☒ m | Sp. Conductance (umho/cm) 176.9

Salinity (ppt) 0.08 | Comments

Location | ☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time Eastern Central | Composite end Date Time | Bottle Group(s)

Field ID | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

WIN/STORET # | Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) | Comments

---

Location | ☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time Eastern Central | Composite end Date Time | Bottle Group(s)

Field ID | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

WIN/STORET # | Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) | Comments

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Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Kelly A McDonald	12/18/19	FedEx	2		

Group: A	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: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2 TO ALS
	NE-ALS-ECQ						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	PCR-BACR PCR-DG3 PCR-HF183						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	**Enter Number of Bottles Sent to Lab**	1
	W-CARB-AA						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	4
	W-CT-CI-R W-PCL-SQ-R						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab**	1
	W-ICP W-ICPMS						
Group: A	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						

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

SR #

ALS Contact

Page 1 of 1

Project Name: Suwanee North	Project Number: RQ-2019-12-16-34
Report To: Jeremy Parrish	Report CC: Dep-overflowmicro@dep.state.fl.us
Company/Address: 8800 Baymeadows Way W Jacksonville, FL 32256	
Phone #: (904)256-1700	FAX #:
Sampler's Signature: Kelly McDonald	Sampler's Printed Name: Kelly McDonald

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

Preservative: I

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	Matrix	NUMBER OF CONTAINERS	~~E. coli~~ KM	E. Coli	REMARKS
21Ø3Ø138		12/18	1030	SW	2		X KM	Fresh
GINEØØ2Ø		12/18	1155	SW	2		X	Fresh

Preservative Key
0. None
1. HCL
2. HNO3
3. H2SO4
4. NaOH
5. Zn. Acetate
6. MeOH
7. NaHSO4
8. Other

Special Instructions/Comments:

0.9°C

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
Edata ___ Yes ___ No

INVOICE INFORMATION
P.O. #
Bill to:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: Kelly McDonald	Signature	Signature	Signature	Signature	Signature: [signature]
Printed Name: Kelly A McDonald	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name: Lev. Mason
Firm: FDEP NE ROC	Firm	Firm	Firm	Firm	Firm: ALS
Date/Time: 12/18/19 1443	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time: 12/18/19 1445