FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF ____

Data Qualified? (Yes) / No

DO
PH

Location/STORET Station Name: Megginnis Arm Run Downstream of Sharer **Date:** 11/01/2017 (mm/dd/yyyy)

STORET # G1WA0033 **WBID:** 809A **Latitude:** 30.4804 (Decimal Degrees)

County: Leon **RQ -** 2017-10-30-16 **ORG ID:** 21FLWQA **Longitude:** -84.2982 (Decimal Degrees)

Receiving Body of Water: Lake Jackson **Field ID:** G1WA0033_11012017

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jhamieka Greenwood	✓		✓		
Curtis Musson		✓	✓		

Sampling Equipment

- [x] Sample Container
- [ ] Van Dorn
- [ ] Pole
- [ ] Carboy
- [x] Syringe
- [ ] Dipper
- [ ] Other

Equipment ID ____

Collection Method

- [x] Wading
- [x] From Shore
- [ ] Other (note below)

Via Boat
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

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

Matrix: (Fresh) / Marine / DI

Meter ID# BIO 2 **Photos:** Yes / (No)

Tide Falling: Yes / No / (NA)

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	12:57	0.05	0.1	3.34	34.3	6.24	0.11	VOB	234	14.93
CEN										

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

SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#: 1941958

Parameter Suite	Parameter Methods	Preservation	Acid 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	SA7233030	8/21/18	[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] qPCR	[x] Ice			
Tracers	[x] W-SUC-AA-R [x] W-UHERB-AA [x] W-AHERB-AA	[x] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-AHERB-AA [ ] W-PYR-AA-R [ ] W-PCL-SQ-R [ ] W-UHERB-AA [ ] W-GLYPH [ ] W-SUC-AA-R	[ ] Ice [ ] Other			

Contains 1:1 Sulfuric Acid
Lot No.: SA7233030
Expires: 08/21/18
See Safety Data Sheet (SDS)

Sticker(s) Here

SULFURIC ACID <51%
DANGER
7664-93-9
7732-18-5
Contains 1:1 Sulfuric Acid
THERMO FISHER SCIENTIFIC
3000 PERIMETER PARK DRIVE
MIAMI, OK 74354
1-(918)-658-2711

Notes:
Kit A
ECOLI
Tracers
PCR_FILTER

Field ID →
Megginnis Arm Run Downstream of Sharer
NOV 01, 2017
G1WA0033_11012017

STORET ↓
Megg nnis Arm Run Downstream of Sharer
G1WA0033

Signature: [signature] **Date:** 11/1/17

Field Parameters Entered into LIMS: CM 11/6/17 (Initials/Date) **Field Parameters QC in LIMS:** [signature] 4/11/18 (Initials/Date)

Date Migrated to STORET: ____ (Initials/Date) **Field Sheets Scanned/Saved:** CM 4/13/18 (Initials/Date)

AJ - Quinch - CDP

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

DO

pH

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

Meter ID: Bio #2 RQ- 2017-10-30-16 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.	Curtis Musson	703	11/1/17	20.55	9.074	9.00	100.0	50	—	P / F	L / F
ICV	Curtis Musson	704	11/1/17	20.54	9.074	9.00	100.0	50	—	P / F	L / F
CCV	Curtis Musson	1611	11/1/17	21.63	8.812	8.43	96.0	49	—	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	705	11/1/17	171005D	10/2018	1000	1000	P / F	L / F
ICV	Curtis Musson	706	11/1/17	171005D	10/2018	1000	1000	P / F	L / F
CCV	Curtis Musson	1614	11/1/17	171005E	10/2018	100	100	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.	Curtis Musson	11/1/17	708	120614B	12/2018	7.0	7.00	45	P / F	L / F
Calibr.	Curtis Musson	11/1/17	710	171005A	10/2018	4.0	4.01	213	P / F	L / F
Calibr.	Curtis Musson	11/1/17	711	120310C	9/2018	10.01	9.97	-111	P / F	L / F
ICV	Curtis Musson	11/1/17	713	170210C	9/2018	10.01	9.92	-109	P / F	L / F
CCV	Curtis Musson	11/1/17	1616	120614B	12/2018	7.0	6.56	73	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)

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	Curtis Musson	11/1/17	707	0.000	0.000	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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-10-30-16
Salem, Arrowhead, AJ, Megginnis, Swamp, Godby
Customer: WAS-SECT
Project ID: SMP
Requester: Curtis Musson
Collected By: Curtis Musson, Shamieka Greenwood
Field Report Prepared By: Shamieka Greenwood
Sampling Agency: FDEP
Page ___ of ___

Aj Henry Park Pond Middle STORET G1WA0058

Field ID → Aj Henry Park Pond Middle
Nov 01, 2017
G1WA0058_11012017

☐ Comp ☑ Grab	Collection (comp begin or grab) Date 11/1/17 Time 8:18 (Eastern / Central)
Collection (comp begin or grab) Date	Time
Matrix (Salt, Fresh): Fresh	Diss. Oxygen (mg/L): 10.30
Temp (C): 16.93	pH: 9.34
Sample Depts (m): 0.3	Sp. Conductance (umho/cm): 70
Salinity (ppt): 0.03	Comments:
Latitude (Decimal Degrees): 30.508	Longitude (Decimal Degrees): -84.216
Bottle Group(s): A	

Lake Arrowhead at Boat Dock At Turtle Crk Ln Near Outlet STORET G1WA0004

Field ID → Lake Arrowhead at boat dock at Turtle Crk Ln near outle
Nov 1, 2017
G1WA0004_11012017

☐ Comp ☑ Grab	Collection (comp begin or grab) Date 11/1/17 Time 8:56 (Eastern / Central)
Collection (comp begin or grab) Date	Time
Matrix (Salt, Fresh): Fresh	Diss. Oxygen (mg/L): 10.07
Temp (C): 16.98	pH: 9.06
Sample Depts (m): 0.3 ~~0.184~~ 9.2	Sp. Conductance (umho/cm): 65
Salinity (ppt): 0.03	Comments:
Latitude (Decimal Degrees): 30.568517	Longitude (Decimal Degrees): -84.218058
Bottle Group(s): A	

Tallavanna Lake Middle STORET G1WA0045

Field ID → Tallavanna Lake Middle
Nov 1, 2017
G1WA0045_11012017

☐ Comp ☑ Grab	Collection (comp begin or grab) Date 11/1/17 Time 9:55 (Eastern / Central)
Collection (comp begin or grab) Date	Time
Matrix (Salt, Fresh): Fresh	Diss. Oxygen (mg/L): 9.63
Temp (C): 18.85	pH: 9.55
Sample Depts (m): 0.3	Sp. Conductance (umho/cm): 255
Salinity (ppt): 0.12	Comments:
Latitude (Decimal Degrees): 30.59862	Longitude (Decimal Degrees): -84.46593
Bottle Group(s): A/B/C F	

Relinquished By:	Date/Time	Number of Coolers	Received By:	Date/Time
	11/1/17 14:48			11-1-17 14:48

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-10-30-16
Salem, Arrowhead, AJ, Megginnis, Swamp, Godby
Customer: WAS-SECT
Project ID: SMP
Requester: Curtis Musson
Collected By: _____
Field Report Prepared By: _____
Sampling Agency: FDEP
Page ____ of ____

Swamp Creek upstream of Railroad

STORET → G1WA0052

Field ID → Swamp Creek upstream of Railroad
Nov 1, 2017
G1WA0052_11012017

☐ Comp ☑ Grab
Collection (comp begin or grab) Date 11/1/17 Time 10:50 Eastern Central
Collection (comp begin or grab) Date _____ Time _____
Bottle Group(s): A/C/D E/G

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)		
Fresh	10.27		
Temp (C)	**pH**	**Sample Depts (m)**	**Sp. Conductance (umho/cm)**
11.80	6.54	0.3	71
Salinity (ppt)	**Comments**		
0.03			
Latitude (Decimal Degrees)		**Longitude (Decimal Degrees)**	
30.663		-84.448	

Salem Branch dowstream of SR 159

STORET → G1WA0053

Field ID → Salem Branch dowstream of SR 159
Nov 1, 2017
G1WA0053_11012017

☐ Comp ☑ Grab
Collection (comp begin or grab) Date 11/1/17 Time 11:30 Eastern Central
Collection (comp begin or grab) Date _____ Time _____
Bottle Group(s): C/D/G

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)		
Fresh	8.69		
Temp (C)	**pH**	**Sample Depts (m)**	**Sp. Conductance (umho/cm)**
16.76	8.09	0.2	330
Salinity (ppt)	**Comments**		
0.16			
Latitude (Decimal Degrees)		**Longitude (Decimal Degrees)**	
30.63082		-84.43155	

Harbinwood Estates Drain

STORET → G1WA0034

Field ID → Harbinwood Estates Drain
Nov 01, 2017
G1WA0034_11012017

☐ Comp ☑ Grab
Collection (comp begin or grab) Date 11/1/17 Time 12:00 Eastern Central
Collection (comp begin or grab) Date _____ Time _____
Bottle Group(s): A/B/C D/G

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)		
Fresh	7.45		
Temp (C)	**pH**	**Sample Depts (m)**	**Sp. Conductance (umho/cm)**
17.39	7.42	0.05	105
Salinity (ppt)	**Comments**		
0.05			
Latitude (Decimal Degrees)		**Longitude (Decimal Degrees)**	
30.5193		-84.3357	

Relinquished By:	Date/Time	Number of Coolers	Received By:	Date/Time
			ABS	11-1-17 / 14:48

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-10-30-16
Salem, Arrowhead, AJ, Megginnis, Swamp, Godby
Customer: WAS-SECT
Project ID: SMP
Requester: Curtis Musson
Collected By: _____
Field Report Prepared By: _____
Sampling Agency: FDEP
Page ____ of ____

Megg nnis Arm Run Downstream of Sharer
STORET
G1WA0033
Field ID → Megginnis Arm Run Downstream of Sharer
NOV 01, 2017
G1WA0033_11012017

☐ Comp ☑ Grab	Collection (comp begin or grab) Date 11/1/17 Time 12:57 Eastern Central	Collection (comp begin or grab) Date Time		Bottle Group(s) A/C/D G
Matrix (Salt, Fresh): Fresh	Diss. Oxygen (mg/L): 3.34			
Temp (C): 16.93	pH: 6.24	Sample Depts (m): 0.05	Sp. Conductance (umho/cm): 236	
Salinity (ppt): 0.11	Comments:			
Latitude (Decimal Degrees): 30.4804	Longitude (Decimal Degrees): -84.2982			

Godby Drainage Ditch at Progress Dr.
STORET
G1WA0061
Field ID → Godby Drainage Ditch at Progress Dr.
Nov 01, 2017
G1WA0061_11012017

☐ Comp ☑ Grab	Collection (comp begin or grab) Date 11/1/17 Time 13:30 Eastern Central	Collection (comp begin or grab) Date Time		Bottle Group(s) A/C/D E/G
Matrix (Salt, Fresh): Fresh	Diss. Oxygen (mg/L): 7.81			
Temp (C): 15.65	pH: 6.79	Sample Depts (m): 0.3	Sp. Conductance (umho/cm): 131	
Salinity (ppt): 0.06	Comments:			
Latitude (Decimal Degrees): 30.444641	Longitude (Decimal Degrees): -84.344711			

Central Drainage Ditch downstream of Orange Ave.
STORET
G1WA0026
Field ID → Central Drainage Ditch downstream of Orange Ave.
NOV 01, 2017
G1WA0026_11012017

☐ Comp ☑ Grab	Collection (comp begin or grab) Date 11/1/17 Time 14:05 Eastern Central	Collection (comp begin or grab) Date Time		Bottle Group(s) A/B/C F/G
Matrix (Salt, Fresh): Fresh	Diss. Oxygen (mg/L): 11.44			
Temp (C): 17.78	pH: 7.68	Sample Depts (m): 0.2	Sp. Conductance (umho/cm): 242	
Salinity (ppt): 0.12	Comments:			
Latitude (Decimal Degrees): 30.4045	Longitude (Decimal Degrees): -84.3073			

Relinquished By:	Date/Time	Number of Coolers	Received By:	Date/Time
				11-1-17 14:45

Group	Bottle Type		# of Bottles	Preservative		Enter Number of Bottles Sent to Lab
A	P-1L	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	8	ICE		8
A	BP-1L	CHLSUITE-W	8	ICE		8
A	P-500ML	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	8	ICE And H2SO4		8
A	P-125ML	W-PO4-F	8	FILTER-ICE		8
B	P-500ML	W-ICP W-ICPMS	3	HNO3		3
C	P-250ML-WO-THI	ECOLI-18QT	7	ICE		7
D	BG-1L	W-AHERB-AA W-SUC-AA-R W-UHERB-AA	5	ICE		5
E	QPCR-P-250ML	PCR-FILTER PCR-HF183	4	ICE		4
F	BG-1L	W-AHERB-AA	4	ICE		4

Group: F	Bottle Type: W-GLYPH W-PYR-AA-R W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 4	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 4
Group: F	Bottle Type: W-CT-CI-R W-PCL-SQ-R	BG-500ML	# of Bottles: 6	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 6
Group: F	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 6	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 6
Group: G	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 6	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 6

Container ID: BG-1L **Qty: 6** **Preservation: ICE** **Lot #** 0002934B

Description: Brown Glass Bottle 1L Affix BLUE dot to container.

Analysis	Description
W-PSNP-TQ	Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Bottle Group: G **# of Sites: 3**

Container ID: QPCR-P-250ML **Qty: 6** **Preservation: ICE** **Lot #** 0006870

Description:

Analysis	Description
PCR-FILTER	Preparation of Samples by Filtration and held for qPCR Analysis

Cooler Packed By: Tyler R. Number of Coolers: 6 Date: 10/25/17

Kit must also include:
- ✓ Field Sheets
- ✓ Temperature Control Bottle
- ✓ FedEx Bills, if applicable
- ✓ Plastic Bags
- ✓ Zip Ties

If Preservation Included:

ID	nitric acid	Exp	09/18/18	Lot #	726120
ID	sulfric acid	Exp	10/02/18	Lot #	725010
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	

PLEASE RETURN ALL COOLERS FOR RQ-2017-10-30-16

Container ID: BP-1L **Qty: 8** **Preservation: ICE** **Lot #** 120 8913

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

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Container ID: P-500ML **Qty: 8** **Preservation: ICE And H2SO4** **Lot #** 0806 9255

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	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: 8** **Preservation: FILTER-ICE** **Lot #** 0806 8347

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B # of Sites: 3

Container ID: P-500ML **Qty: 3** **Preservation: HNO3** **Lot #** 0806 9255

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

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Bottle Group: C # of Sites: 7

Container ID: P-250ML-WO-THI **Qty: 7** **Preservation: ICE** **Lot #** L17048

Description:

Analysis	Description