



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

PAGE 1 OF 1

Data Qualified?
Yes / No

STORET Station Name: Eight Mile Pond Middle

Date: 09/26/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0024

WBID: 807A

Latitude: 30.32635

(Decimal Degrees)

County: LEON

RQ - 2016-09-26-22

ORG ID: 21FLWQA

Longitude: -84.30273

(Decimal Degrees)

Receiving Body of Water: Wakulla Springs

Field ID: G1WA0024 -09262016

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Curtis Musson									☒ Sample Container	☐ Van Dorn	☐ Pole	
Paul Blair									☐ Carboy	☒ Syringe		
									☐ Dipper	☐ Other		
									Equipment ID			
									Collection Method			
									☐ Wading	☒ Via Boat		
									☐ From Shore	☒ Canoe/Kayak		
									☐ Other (note below)	☐ Electric Motor		
										☐ Gasoline Motor		
Water Level: Dry / Low / Normal / <u>High</u> / Flooded								Matrix: Fresh / Marine / DI				
Meter ID# <u>Biology #2</u>				Photos: Yes / <u>No</u>				Tide Falling: Yes / No / <u>NA</u>				
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	10:15	0.3	1.3	2.86	35.3	6.62	0.03	1.0	63	26.5		
CEN												
Biological Samples Collected: <u>None</u> HA SCI LVS RPS LVI Other												
Parameter Suite		Parameter Methods				Preservation		Acid Lot#	Expiration	pH Check		
Preserved Nutrients		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☐ H2SO4		6209120	07/07/17	☒ <2		
Metals		☐ W-ICPMS ☐ W-ICP				☒ Ice ☐ HNO2				☐ <2		
Filtered Nutrients		☒ W-PO4-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						
Microbiology		☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR				☐ Ice						
Periphyton		☐ ALGAE-ID				☐ Ice						
Pesticides		☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R				☐ Ice						
		☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH				☐ Other						

Contains 1:1 Sulfuric Acid SA-6209120 EXP: 07/27/17 Warning!

Place Pres (s) Here

Notes:



G1WA0024 26 Sept 20106

Eight Mile Pond Middle

Signature:

Paul Blair

Date:

9-26-16

Field Parameters Entered into LIMS: Dr 9/29/16
(Initials/Date)

Field Parameters QC in LIMS: _____
(Initials/Date)

Date Migrated to STORET: _____
(Initials/Date)

Field Sheets Scanned/Saved: _____
(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 Biology #2

RQ- 2016-09-26-22

Project Scp

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (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 06/03/2016

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 Mussen	9/26/16	7:29	21.14	8.998	8.99	100.0	45.1	—	P	LAD
ICV	Curtis Mussen	9/26/16	7:30	21.14	8.998	8.99	100.0	46.1	—	P	LAD
CCV	Curtis Mussen	9/26/16	12:31	24.66	8.325	8.50	102.2	46.1	—	P	LAD
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	9/26/16	7:33	160330D	04/2017	1000	1000	P	LAD
ICV	Curtis Mussen	9/26/16	7:34	160330D	04/2017	1000	1000	P	LAD
CCV	Curtis Mussen	9/26/16	12:33	2601533	12/2017	100	105	P	LAD
CCV			12:36						

Report specific conductance as a whole number with no decimal figure.

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.	Curtis Mussen	9/26/16	7:36	160330B	10/2017	7.0	7.00	-23.5	P	LAD
Calibr.	Curtis Mussen	9/26/16	7:38	160330A	04/2017	4.0	4.01	155.4	P	LAD
Calibr.	Curtis Mussen	9/26/16	7:40	160330C	10/2017	10.0	9.98	-49.0	P	LAD
ICV	Curtis Mussen	9/26/16	7:42	160330C	10/2017	9.0	9.95	-49.1	P	LAD
CCV	Curtis Mussen	9/26/16	12:32	160330A	04/2017	4.0	3.99	155.6	P	LAD
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

Killbuck Chain of Lakes Outlet, Alford Arm Tributary and Soapstone Branch

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Paul Blair
FDER/21FLWQA

Location		Killbuck Chain of Lakes Outlet @ Velda Dairy Rd		Bottle Group(s)			
Field ID	G1WMA0015 - 09262016	Matrix (type, e.g., Salt, Fresh, etc)		Collection Date	9-26-16	Time	8:40
STORET #	G1WMA0015	Temp (C)	24.2	pH	6.69	Diss. Oxygen	5.71
Latitude	30.53735	Salinity (ppt)	0.03	Sample Depth	0.1	Sp. Conductance (umho/cm)	76
Longitude	-84.22847	Comments					
Location	Lake Arrowhead @ Boat dock @ Turtle Creek	Collection (comp begin or grab)					
Field ID	G1WMA0064 - 09262016	Matrix (type, e.g., Salt, Fresh, etc)		Collection Date	9-26-16	Time	9:10
STORET #	G1WMA0064	Temp (C)	28.6	pH	7.01	Diss. Oxygen	6.55
Latitude	30.568517	Salinity (ppt)	0.03	Sample Depth	0.3	Sp. Conductance (umho/cm)	68
Longitude	-84.218058	Comments					
Location	Munson Slough @ CR2204	Collection (comp begin or grab)					
Field ID	G1WMA0035 - 09262016	Matrix (type, e.g., Salt, Fresh, etc)		Collection Date	9-26-16	Time	11:15
STORET #	G1WMA0035	Temp (C)	26.97	pH	6.62	Diss. Oxygen	2.97
Latitude	30.3243	Salinity (ppt)		Sample Depth	0.3	Sp. Conductance (umho/cm)	63
Longitude	-84.302	Comments	SCI not on same RQ				
Location		Collection (comp begin or grab)					
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Collection Date		Time	
STORET #		Temp (C)		pH		Diss. Oxygen	
Latitude		Salinity (ppt)		Sample Depth		Sp. Conductance (umho/cm)	
Longitude		Comments					
Location		Collection (comp begin or grab)					
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Collection Date		Time	
STORET #		Temp (C)		pH		Diss. Oxygen	
Latitude		Salinity (ppt)		Sample Depth		Sp. Conductance (umho/cm)	
Longitude		Comments					

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

Blair/Munson

9-26-16 12:08

Hand delivered

ASB

9-26-16/12:08

Cooler Packing Worksheet for Request: RQ-2016-09-26-22
Killearn Chain of Lakes Outlet, Alford Arm Tributary and Soapstone Branch

Ship Cooler On: 9/12/2016
Customer/Project: WQAP/SMP

Requester: Benjamin Ralys
Priority: 3

850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Benjamin Ralys

Comments:

No preservatives needed.

Bottle Group A: Freshwater kits no metals
Bottle Group B: Algal ID

Bottle Group C: SCI

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00065181

Description: Plastic Bottle 1L

Analysis

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
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)
Total Dissolved Solids in aqueous matrices
Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 3 Preservation: ICE

Lot # 1172350

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 00065372

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: 3 Preservation: ICE-FLTR

Lot # 00064846

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: B

of Sites: 1

Container ID: PT-50ML

Qty: 1 Preservation: ICE

Lot # 430897

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Cooler Packed By: SK

Date: 9-19-16

DEP Cooler ID #(s): 1COOLr

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☐ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2016-09-26-22