



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Petty Gulf lake Middle

Date: 6/27/2018

(mm/dd/yyyy)

WIN/ Field ID: G1WA0022

WBID: 564C

Latitude: 30.58915

(Decimal Degrees)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.22637

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

RQ-2018- 06-25-20

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson						X		X	X
Jason Storrs					X	X			

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>SONAR</u>		
Equipment ID <u>#1</u>		

Collection Method		
☐ Wading	☒ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded				Meter ID# Biology #2				Matrix: <u>Fresh</u> / Marine / DI			
Photos: Yes / <u>No</u>		Flow: No Flow / Intestinal / <u>Flowing</u> / 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 (umhos/cm)	Temp. (C°)	
EST	1029	2.5	0.3	1.3	8.31	113.6	8.07	0.03	60	31.90	
CEN	1029		2.0		7.87	107.1	7.66	0.03	60	31.46	

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#: <u>2003592</u>		
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	<u>SA8085170</u>	<u>3/26/19</u>	☒ <2		
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3			☐ <2		
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice	<u>10827054</u>				
Chlorophyll	☒ CHLSUITE-W				☒ Ice					
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-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-Kit
FW Bacteria

Petty Gulf
lake Middle

WIN ID/Field ID



G1WA0022

Signature:

Curtis Musson

Date:

6-27-18

Enter Field Parameters, Verify Station ID In LIMS DMT: 6/27/18

(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT: CM 6-28-18

(Initials/Date)

Scan/Save Field Sheets CM 6-28-18

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(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: Bio #2

RQ: 2018-06-25-20

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 ET-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	6/27/18	704	22.48	8.660	8.66	100.0	SS	—	P/F	Q/F
ICV	Curtis Mussen	6/27/18	705	22.48	8.660	8.66	100.0	SS	—	P/F	Q/F
CCV	Jason Skeris	6/27/18	1158	24.29	8.371	8.37	100.1	57.4	—	P/F	Q/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 ET-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	6/27/18	707	180326A	04/2019	100	100	P/F	L/F
ICV	Curtis Mussen	6/27/18	710	171003D	10/2018	1000	1000	P/F	Q/F
CCV	Curtis Mussen	6/27/18	712	171003D	10/2018	1000	1000	P/F	Q/F
CCV	Jason Skeris	6/27/18	1150	180326A	04/2019	100	102	P/F	Q/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time ET-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	6/27/18	714	180326D	10/2019	7.0	7.00	25	P/F	Q/F
Calibr.	Curtis Mussen	6/27/18	717	180326C	04/2019	4.01	4.01	194	P/F	Q/F
Calibr.	Curtis Mussen	6/27/18	719	171005C	04/2019	10.01	10.01	145	P/F	Q/F
ICV	Curtis Mussen	6/27/18	723	171005C	04/2019	10.01	9.98	144	P/F	Q/F
CCV	Jason Skeris	6/27/18	1155	180326D	10/2019	7.0	6.81	40.1	P/F	Q/F
CCV	Jason Skeris	6/27/18	1159	180326C	04/2019	4.01	3.80	200	P/F	Q/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 ET-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Mussen	6/27/18	713	0.00 m	0.00	P/F	Q/F

CCV 0.008

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**

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Project ID: SMP

Collected By:

Curtis Musson, Jason Sporns

Sampling Agency:

FDEP

Location		Lake Monkey		WIN ID/Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Collection (comp begin or grab)		Comp Grab		Diss. Oxygen		Eastern		Composite end		Bottle Group(s)	
Field ID								Date 6-27-18 Time 8:20		☒		97.7		☒		Date / Time /		A	
WIN/STORET #		Business Middle		G1WA0036								Sample Depth		ft		Total Res. Chlorine (mg/L)			
Latitude		dd dms		Longitude		dd dms		pH 8.09		Temp (C) 32.58		Salinity (ppt) 0.04		Sp. Conductance (umho/cm) 0.3		88			
Location		Upper Dianne Lake Middle		WIN ID/Field ID		G1WA0041		Collection (comp begin or grab)		Comp Grab		Diss. Oxygen		Eastern		Composite end		Bottle Group(s)	
Field ID								Date 6-27-18 Time 8:51		☒		112.0		☒		Date / Time /		A	
WIN/STORET #												Sample Depth		ft		Total Res. Chlorine (mg/L)			
Latitude		dd dms		Longitude		dd dms		pH 8.63		Temp (C) 32.01		Salinity (ppt) 0.05		Sp. Conductance (umho/cm) 0.3		101			
Location		Lower Dianne Lake Middle		WIN ID/Field ID		G1WA0040		Collection (comp begin or grab)		Comp Grab		Diss. Oxygen		Eastern		Composite end		Bottle Group(s)	
Field ID								Date 6-27-18 Time 9:38		☒		114.4		☒		Date / Time /		A	
WIN/STORET #												Sample Depth		ft		Total Res. Chlorine (mg/L)			
Latitude		dd dms		Longitude		dd dms		pH 8.61		Temp (C) 31.98		Salinity (ppt) 0.04		Sp. Conductance (umho/cm) 0.3		95			
Location		Petty Gulf lake Middle		WIN ID/Field ID		G1WA0022		Collection (comp begin or grab)		Comp Grab		Diss. Oxygen		Eastern		Composite end		Bottle Group(s)	
Field ID								Date 6-27-18 Time 10:29		☒		113.6		☒		Date / Time /		A	
WIN/STORET #												Sample Depth		ft		Total Res. Chlorine (mg/L)			
Latitude		dd dms		Longitude		dd dms		pH 8.07		Temp (C) 31.90		Salinity (ppt) 0.03		Sp. Conductance (umho/cm) 0.3		60			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Curtis Musson	6-27-18 / 11:36	DROP OFF	2	[Signature]	6-27-18 / 11:36

Curtis Musson

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Curtis Mussey

Project ID: SMP

Collected By:

Curtis Musson, Jason Storley

Sampling Agency:

FDEP

Location		WIN ID/Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Date	Time	Diss. Oxygen	mg/L	Date	Time	(See pg 2)
Pine Hill		6-27-18		1048	109.9				A
Lake Middle		Fresh							
WIN/STORET #		32.40		7.98	0.3			47	
Latitude		dd dms		pH		ft		m	
Longitude		dd dms		Sp. Conductance		umho/cm			
Location		0.02		Comments					
Field ID		Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		dd dms		pH		ft		m	
Longitude		dd dms		Sp. Conductance		umho/cm			
Location		Comments							
Field ID		Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		dd dms		pH		ft		m	
Longitude		dd dms		Sp. Conductance		umho/cm			
Location		Comments							
Field ID		Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		dd dms		pH		ft		m	
Longitude		dd dms		Sp. Conductance		umho/cm			
Location		Comments							

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
<u>Curtis Musson</u>	6-27-18 / 11:36	Drop off	2	<u>AMG</u>	6-27-18 11:36

Group: A

Bottle Type:

P-1L

of Bottles: 5

Preservative:

ICE

Enter Number of Bottles Sent to Lab

5

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Group: A

Bottle Type:

BP-1L

of Bottles: 5

Preservative:

ICE

Enter Number of Bottles Sent to Lab

5

CHLSUITE-W

Group: A

Bottle Type:

P-250ML-WO-THI

of Bottles: 5

Preservative:

ICE

Enter Number of Bottles Sent to Lab

5

ECOLI-18QT

Group: A

Bottle Type:

P-500ML

of Bottles: 5

Preservative:

ICE And H2SO4

Enter Number of Bottles Sent to Lab

5

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

H2SO4

LOT# S48885170

EXP: 03/26/19

Group: A

Bottle Type:

P-125ML

of Bottles: 5

Preservative:

FILTER-ICE

Enter Number of Bottles Sent to Lab

5

W-PO4-F

Lot# 10825054

Cooler Packing Worksheet for Request: RQ-2018-06-25-20

killearn lakes

Ship Cooler On: 6/21/2018
Customer/Project: WAS-SECT/SMP

Assigned To: KLUG_K
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:

No preservatives needed.

Group A: Freshwater Nutrients, e.coli

No Fedex Labels

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L
Description: Plastic Bottle 1L

Qty: 5 Preservation: ICE

Lot # 00071006

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
Description: Brown Plastic Bottle 1L

Qty: 5 Preservation: ICE

Lot # 1223623

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 5 Preservation: ICE

Lot # L18038

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: 5 Preservation: ICE And H2SO4

Lot # 00070684

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: 5 Preservation: FILTER-ICE

Lot # 00070886

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: HL

Number of Coolers: 2

Date: 6/21/18

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

PLEASE RETURN ALL COOLERS FOR RQ-2018-06-25-20