



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

April 2018

Data Qualified?

Yes / No

WIN Station Name: Petty Gulf Lake Middle

Date: 6/19/18

(mm/dd/yyyy)

WIN/ Field ID: G1WA0022

WBID: 564C

Latitude: 30.58915

County: Leon

ORG ID: 21FLWQA

Longitude: -84.22637

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

RQ-2018- 05-28-11

(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment					
Curtis Musson							X	X	X		☒ Sample Container	☐ Van Dorn	☐ Pole			
Blake Spencer						X	X				☐ Carboy	☒ Syringe				
											☐ Dipper	☐ Other				
											Depth Measured with <u>Secchi Disk</u>					
											Equipment ID					
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 / Flowing <u>NA</u>						Tide: Rising/ Falling/ Slack <u>NA</u>		Tide Times: High <u>NA</u> Low <u>NA</u>		
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	1300	2.5	0.3	1.0	9.70	133.8	8.36	0.03	61	32.32						
CEN	1304		2.0		6.62	87.1	8.64	0.03	60	29.11						
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>2001949</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 µm 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-E8321-DI ☐ W-E8321-MS					☐ Ice										
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI					☐ Ice										
	☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA					☐ Other										

Notes:

Kit-A
FW Bact

Petty Gulf
lake Middle

WIN ID/Field ID

G1WA0022

Signature:

Date:

6/19/18

Enter Field Parameters, Verify Station ID In LIMS DMT: AB 6/20/18

(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT: CA 6-21-18

(Initials/Date)

Scan/Save Field Sheets

(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 page.

Meter ID: Biology #2

RQ- 2018-05-28-11

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.	Blake Spencer	6/19/18	716	20.71	8.968	8.97	100.0	61.4	—	P / F	L / F
ICV	Blake Spencer	6/19/18	717	20.72	8.968	8.95	99.9	62.5	—	P / F	L / F
CCV	Blake Spencer	6/19/18	1439	20.81	8.143	8.13	99.9	64.5	—	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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	6/19/18	721	171005A	10/20/18	1000	1000	P / F	L / F
ICV	Blake Spencer	6/19/18	723	171005A	10/20/18	1000	1000	P / F	L / F
CCV	Blake Spencer	6/19/18	1443	180326A	04/20/19	100	101	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.	Blake Spencer	6/19/18	725	171005B	4/20/19	7.0	7.00	22.0	P / F	L / F
Calibr.	Blake Spencer	6/19/18	732	180326C	4/20/19	4.0	4.00	191.1	P / F	L / F
Calibr.	Blake Spencer	6/19/18	0737	171005C	4/20/19	10.0	10.00	-145.7	P / F	L / F
ICV	Blake Spencer	6/19/18	0740	171005C	4/20/19	10.0	9.99	-145.7	P / F	L / F
CCV	Blake Spencer	6/19/18	1445	171005B	4/20/19	7.0	6.97	30.0	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						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:

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Blake Spencer + Curtis Musson

Field Report Prepared By: Blake Spencer

Sampling Agency: FAEP

Location		WIN ID/Field ID		Longitude		Latitude		Field ID		WIN/STORET #		Upper Dianne Lake Middle		Lower Dianne Lake Middle		Pettys Gulf lake Middle		Pine Hill Lake Middle	
Field ID		WIN ID/Field ID		dd	dms	dd	dms	Field ID		WIN/STORET #		Field ID		WIN/STORET #		Field ID		WIN/STORET #	
Latitude	30.59996	Longitude	-84.23778	dd	dms	dd	dms	Latitude	30.59355	Longitude	-84.23534	dd	dms	dd	dms	Latitude	30.58915	Longitude	-84.22637
Location		Location		dd	dms	dd	dms	Location		Location		dd	dms	dd	dms	Location		Location	
Matrix (type, e.g., Salt, Fresh, etc)		Matrix (type, e.g., Salt, Fresh, etc)		Matrix (type, e.g., Salt, Fresh, etc)		Matrix (type, e.g., Salt, Fresh, etc)		Matrix (type, e.g., Salt, Fresh, etc)		Matrix (type, e.g., Salt, Fresh, etc)		Matrix (type, e.g., Salt, Fresh, etc)		Matrix (type, e.g., Salt, Fresh, etc)		Matrix (type, e.g., Salt, Fresh, etc)		Matrix (type, e.g., Salt, Fresh, etc)	
Temp (C)	31.05	Temp (C)	32.26	Temp (C)	32.72	Temp (C)	32.46	Temp (C)	32.32	Temp (C)	32.46	Temp (C)	32.32	Temp (C)	32.46	Temp (C)	32.32	Temp (C)	32.46
Salinity (ppt)	0.04	Salinity (ppt)	0.04	Salinity (ppt)	0.03	Salinity (ppt)	0.02	Salinity (ppt)	0.03	Salinity (ppt)	0.02	Salinity (ppt)	0.03	Salinity (ppt)	0.02	Salinity (ppt)	0.03	Salinity (ppt)	0.02
pH	7.89	pH	8.60	pH	8.36	pH	7.21	pH	8.36	pH	7.21	pH	8.36	pH	7.21	pH	8.36	pH	7.21
Comments		Comments		Comments		Comments		Comments		Comments		Comments		Comments		Comments		Comments	
Collection (comp begin or grab)	Grab	Collection (comp begin or grab)	Grab	Collection (comp begin or grab)	Grab	Collection (comp begin or grab)	Grab	Collection (comp begin or grab)	Grab	Collection (comp begin or grab)	Grab	Collection (comp begin or grab)	Grab	Collection (comp begin or grab)	Grab	Collection (comp begin or grab)	Grab	Collection (comp begin or grab)	Grab
Date	6/19/18	Date	6/19/18	Date	6/19/18	Date	6/19/18	Date	6/19/18	Date	6/19/18	Date	6/19/18	Date	6/19/18	Date	6/19/18	Date	6/19/18
Time	1005	Time	1212	Time	1300	Time	1319	Time	1300	Time	1319	Time	1300	Time	1319	Time	1300	Time	1319
Diss. Oxygen	98.8	Diss. Oxygen	121.6	Diss. Oxygen	133.8	Diss. Oxygen	125.1	Diss. Oxygen	133.8	Diss. Oxygen	125.1	Diss. Oxygen	133.8	Diss. Oxygen	125.1	Diss. Oxygen	133.8	Diss. Oxygen	125.1
Sample Depth	0.3	Sample Depth	0.3	Sample Depth	0.3	Sample Depth	0.3	Sample Depth	0.3	Sample Depth	0.3	Sample Depth	0.3	Sample Depth	0.3	Sample Depth	0.3	Sample Depth	0.3
Sp. Conductance (umho/cm)	99	Sp. Conductance (umho/cm)	92	Sp. Conductance (umho/cm)	61	Sp. Conductance (umho/cm)	46	Sp. Conductance (umho/cm)	61	Sp. Conductance (umho/cm)	46	Sp. Conductance (umho/cm)	61	Sp. Conductance (umho/cm)	46	Sp. Conductance (umho/cm)	61	Sp. Conductance (umho/cm)	46
Total Res. Chlorine (mg/L)	—	Total Res. Chlorine (mg/L)	—	Total Res. Chlorine (mg/L)	—	Total Res. Chlorine (mg/L)	—	Total Res. Chlorine (mg/L)	—	Total Res. Chlorine (mg/L)	—	Total Res. Chlorine (mg/L)	—	Total Res. Chlorine (mg/L)	—	Total Res. Chlorine (mg/L)	—	Total Res. Chlorine (mg/L)	—
% sat	—	% sat	—	% sat	—	% sat	—	% sat	—	% sat	—	% sat	—	% sat	—	% sat	—	% sat	—
Composite end Date		Composite end Date		Composite end Date		Composite end Date		Composite end Date		Composite end Date		Composite end Date		Composite end Date		Composite end Date		Composite end Date	
Central	Eastern	Central	Eastern	Central	Eastern	Central	Eastern	Central	Eastern	Central	Eastern	Central	Eastern	Central	Eastern	Central	Eastern	Central	Eastern
Bottle Group(s)	A	Bottle Group(s)	A	Bottle Group(s)	A	Bottle Group(s)	A	Bottle Group(s)	A	Bottle Group(s)	A	Bottle Group(s)	A	Bottle Group(s)	A	Bottle Group(s)	A	Bottle Group(s)	A

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

06/19/18

2:11 PM

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Blake Spencer

Project ID: SMP

Collected By: Blake Spencer & Curtis Musson

Sampling Agency: FDEP

Location		WIN ID/Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Lake Monkey		Date 6/19/18 Time 1105		Central Date		(See pg 2)	
WIN/STORET #		Business Middle		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		30.60779		Temp (C) 31.30		Sample Depth 0.3		Sp. Conductance (umho/cm) 86	
Longitude		-94.23076		pH 7.68		ft 0		m 0	
Salinity (ppt)		0.04		Comments					
Location		Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
WIN/STORET #				Date		Date			
Latitude				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Longitude				Temp (C)		Sample Depth		Sp. Conductance (umho/cm)	
Salinity (ppt)				pH					
Comments									
Location		Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
WIN/STORET #				Date		Date			
Latitude				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Longitude				Temp (C)		Sample Depth		Sp. Conductance (umho/cm)	
Salinity (ppt)				pH					
Comments									
Location		Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
WIN/STORET #				Date		Date			
Latitude				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Longitude				Temp (C)		Sample Depth		Sp. Conductance (umho/cm)	
Salinity (ppt)				pH					
Comments									

Relinquished By: *Blake Spencer*

Date/Time

6/19/18 1416

Shipping Method

Hand Delivered

Number of Coolers Shipped:

Received By: *Thyane*

Date/Time

06/19/18 02:19p

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# SR0085170 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 # 10827054							

Cooler Packing Worksheet for Request: RQ-2018-05-28-11

NE TLH Lakes

Ship Cooler On: 5/24/2018

Customer/Project: WAS-SECT/SMP

Assigned To: REYNOLDS_T

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 Kit, E. coli

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00070144

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: 5 Preservation: ICE

Lot # 1223623

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: 5 Preservation: ICE

Lot # 018006

Description:

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: Tyler L

Number of Coolers: 2

Date: 05/21/18

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-2018-05-28-11