



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☒ No ☐

WIN Station Name: Upper Dianne Lake Middle

Date: 5-29-19 ✓
(mm/dd/yyyy)

WIN/ Field ID: G1WA0041 ✓

WBID: 546B

Latitude: 30.60031989
(Decimal Degrees)

County: Leon

ORG ID: 546B

Longitude: -84.23713627
(Decimal Degrees)

Receiving Body of Water: Lake Monkey Business

RQ: 2019-03-04-69

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Mussey							✓		✓	✓
Will Lasley						✓		✓		

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with: Sonar #1		
Equipment ID		

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

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

Meter ID# Biscaya #2

Matrix: Fresh / Marine / DI

Photos: Yes ☒ No ☐ Flow: No Flow / Intertidal / Flowing / 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 (µmhos/cm)	Temp. (C°)
EST	0931 ✓	0.1	0.3 ✓	1.6	8.85	120.3	9.1	0.05	101	31.6
CEN	0933	1.7	1.2		9.14	124.0	9.2	0.05	101	31.5

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

SPIO 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 ☒ H2SO4	8344020	12/10/19	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☒ <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-BR-IC / 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-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARS-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes: Algae Mats at dock/boat launch.

WIN ID / FILED ID → G1WA0041

Location: Upper Dianne Lake Middle

Signature: *Curtis Mussey* Date: 5/29/19

LIMS EVENT ID: WAS-SECT-2019-05-29-01

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: 5/10/19

QC Station ID, Field Parameters In LIMS DMT: 5/14/19

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

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

Boldly "X" this log if there is quoted data on this page

Meter ID: Bio #2 RQ: 2019-03-04-69 Project: SMD

- 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 CTE	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	5/29/19	7:48	22.44	8.677	8.67	100.0	66.5	-	⓪ / F	⓪ / F
ICV	Curtis Musson	5/29/19	7:49	22.44	8.677	8.67	100.0	67.6	-	⓪ / F	⓪ / F
CCV	Curtis Musson	5/29/19	12:53	21.28	8.863	8.49	95.7	69.6	-	P / ⓪	⓪ / 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 CTE	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	5/29/19	7:17	180927D	10/20/19	500	500	⓪ / F	⓪ / F
ICV	Curtis Musson	5/29/19	7:19	180927D	10/20/19	500	500	⓪ / F	⓪ / F
CCV	Curtis Musson	5/29/19	12:50	2808884	7/2020	100	103	⓪ / F	⓪ / F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CTE	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	5/29/19	7:22	180621F	01/2020	7.0	7.00	-18.4	⓪ / F	⓪ / F
Calibr.	Curtis Musson	5/29/19	7:25	190405B	10/2020	4.0	4.01	157	⓪ / F	⓪ / F
Calibr.	Curtis Musson	5/29/19	7:29	180621F	01/2020	10.01	9.98	-186	⓪ / F	⓪ / F
ICV	Curtis Musson	5/29/19	7:30	180621F	01/2020	10.01	9.97	-186	⓪ / F	⓪ / F
CCV	Curtis Musson	5/29/19	12:47	180621F	01/2020	7.02	7.15	-23	⓪ / F	⓪ / 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 CTE	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Musson	5/29/19	7:21	0.00	0.00	⓪ / F	⓪ / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

25.11°C

Request Number: RQ-2019-03-04-69

Tallahassee Lakes

Florida Department of Environmental Protection
Central Laboratory Submittal FormPage 1 of 3
last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Curtis Musson/Will

Project ID: SMP

Collected By: Curtis Musson

Sampling Agency:

FDEP

Lasley

Location	WIN ID / FILED ID	Latitude	Longitude	Temp (C)	pH	Salinity (ppt)	Comp	Collection (comp begin or grab)	Date	Time	Sample Depth	Diss. Oxygen	Sp. Conductance (umho/cm)	Total Res. Chlorine (mg/L)	Bottle Group(s)
WIN/STORET #	Location														
Upper Dianne Lake Middle				31.6	9.1	0.05			5/29/18	0931	0.3	120.3	101		B
Field ID	WIN ID / FILED ID	Latitude	Longitude	Temp (C)	pH	Salinity (ppt)	Comp	Collection (comp begin or grab)	Date	Time	Sample Depth	Diss. Oxygen	Sp. Conductance (umho/cm)	Total Res. Chlorine (mg/L)	Bottle Group(s)
				31.3	8.3	0.04			5/29/18	0846	0.3	103.0	96		B
WIN/STORET #	Location														
Lower Dianne Lake Middle				31.6	8.7	0.03			5/29/18	1612	0.3	120.4	57		B
Field ID	WIN ID / FILED ID	Latitude	Longitude	Temp (C)	pH	Salinity (ppt)	Comp	Collection (comp begin or grab)	Date	Time	Sample Depth	Diss. Oxygen	Sp. Conductance (umho/cm)	Total Res. Chlorine (mg/L)	Bottle Group(s)
				31.8	7.7	0.04			5/29/18	1047	0.3	103.5	85		B
WIN/STORET #	Location														
Lake Arrowhead at boat dock at Turtle Crk Ln near outlet				31.8	7.7	0.04			5/29/18	1047	0.3	103.5	85		B
Field ID	WIN ID / FILED ID	Latitude	Longitude	Temp (C)	pH	Salinity (ppt)	Comp	Collection (comp begin or grab)	Date	Time	Sample Depth	Diss. Oxygen	Sp. Conductance (umho/cm)	Total Res. Chlorine (mg/L)	Bottle Group(s)
				31.8	7.7	0.04			5/29/18	1047	0.3	103.5	85		B

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

WCU

Page 1 of 3
last revised Jan 25, 2018

Requester: Curtis Musson

Field Report Prepared By:

with lasty
FABER - WOOD

Project ID: SMP

Collected By:

Will / Ashley / Curt's Muston

Sampling Agency:

[illegible]

Relinquished By:

Date/Time

5/29/18

Shipping Method

140

Number of Coolers Shipped:

2

Received By:

Date/Time

29/15 120

Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	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	0
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 5	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
	W-PO4-F						
Group: B	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: B	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	CHLSUITE-W						
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	ECOLI-18QT						
Group: B	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	5

Group: B	Bottle Type:	P-500ML	# of Bottles: 5	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3				5
	W-NO2NO3	Lot # 54 8344070			
	W-S-A-TP				
	W-TKN	Exp. 12/10/2019			
	W-TOC				

Group: B	Bottle Type:	P-125ML	# of Bottles: 5	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F				5

Cooler Packing Worksheet for Request: RQ-2019-03-04-69

Tallahassee Lakes

Ship Cooler On: 3/1/2019

Customer/Project: WAS-SECT/SMP

Assigned To: REAVES_S

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

Group A: Nutrients x5

WBIDs: 546A, 546B, 564A, 564B, 647A
Lakes

Completed 4/10/2019

Group B: ~~Killebrew Chain of Lakes Outlet, 647L~~
Nutrients, E. coli

5-29-2019

Packing Notes:

No FedEx Labels

No Trash Bags

1 - case of sulfuric acid

2 - sets of sulfuric acid labels

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00071991

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 # 1246281

Description: Brown Plastic Bottle 1L

Analysis

Description

Container ID: P-500ML

Qty: 5 Preservation: ICE And H2SO4

Lot # 00073297

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 # 00072954

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: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00071991

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 # 1246281

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

120-SR
Container ID: P-250ML-WO-THI

10-SR
Qty: 5 Preservation: ICE

Lot # 6A20-TN

Description: 250ml Sterilized no tablet

120-SR

Replacement Containers

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 # 00073297

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 # 00072954

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: SR Number of Coolers: 3 Date: 2-25-19

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	Sulfuric Acid	Exp	12-10-19	Lot #	SA 8344070
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	

PLEASE RETURN ALL COOLERS FOR RQ-2019-03-04-69