FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified? Yes / ~~No~~ (No circled)

WIN Station Name: Lower Dianne Lake Middle **Date:** 6/27/2018 (mm/dd/yyyy)

WIN/ Field ID: G1WA0040 **WBID:** 546A **Latitude:** 30.59355 (Decimal Degrees)

County: Leon **ORG ID:** 21FLWQA **Longitude:** -84.23534 (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: Sonar
- Equipment ID: H1

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

Water Level: Dry/ Pooled/ Low / Normal (circled) / High / Flooded **Meter ID#** Biology **Matrix:** Fresh (circled) / Marine / DI

Photos: Yes / No (circled) **Flow:** No Flow / Intestital / Flowing / NA (circled) **Tide:** Rising/ Falling/ Slack/ NA (circled) **Tide Times:** High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (μmhos/cm)	Temp. (C°)
EST (circled)	938	3.4	0.3	1.5	8.37	114.4	8.61	0.04	95	31.98
CEN	936		2.9		3.84	51.5	7.31	0.04	97	31.08

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

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: 2003591

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H_2SO_4	SA8085170	3/26/19	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 μm Filter	☒ Ice	10827054		
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 ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Place Preservati[ve Label] (If Av[ailable])

Contains: 1:1 H2S04
Lot No.: SA8085170
Expires: 03/26/19
See Safety Data Sheet (SDS)
SULFURIC ACID <51%

Notes:
A-Kit
FW Bacteria

Lower Dianne Lake Middle
WIN ID/Field ID
G1WA0040

Signature: Curtis Musson **Date:** 6-27-18

Enter Field Parameters, Verify Station ID In LIMS DMT: JS 6/27/18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: CM 6-28-17 (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 page.

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 Musson	6/27/18	704	22.48	8.660	8.66	100.0	55	~	(P) / F	(P) / F
ICV	Curtis Musson	6/27/18	705	22.48	8.660	8.66	100.0	55	—	(P) / F	(P) / F
CCV	Jason Skerrs	6/27/18	1158	24.29	8.371	8.37	100.1	57.1	—	(P) / F	(P) / F
CCV										P / F	L / F

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 ET-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
~~Calibr.~~	~~Curtis Musson~~	~~6/27/18~~	~~707~~	~~1803264~~	~~04/2019~~	~~100~~	~~cm~~	P / F	L / F
~~ICV~~ Cal	Curtis Musson	6/27/18	710	171003D	10/2018	1000	1000	(P) / F	(P) / F
~~CCV~~ ICV	Curtis Musson	6/27/18	712	171003D	10/2018	1000	1000	(P) / F	(P) / F
CCV	Jason Skerrs	6/27/18	1150	1803264	04/2019	100	102	(P) / F	(L) / F

Conductivity Acceptance criteria ± 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 Musson	6/27/18	714	180326D	10/2019	7.0	7.00	25	(P) / F	(P) / F
Calibr.	Curtis Musson	6/27/18	717	180326C	04/2019	4.01	4.01	194	(P) / F	(P) / F
Calibr.	Curtis Musson	6/27/18	719	171005C	04/2019	10.01	10.01	-145	(P) / F	(P) / F
ICV	Curtis Musson	6/27/18	723	171005C	04/2019	10.01	9.98	-144	(P) / F	(P) / F
CCV	Jason Skerrs	6/27/18	1155	180326D	10/2019	7.0	6.81	40.1	(P) / F	(P) / F
CCV	Jason Skerrs	6/27/18	1159	180326C	04/2019	4.01	3.80	200	(P) / F	(P) / 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 ET-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Musson	6/27/18	713	0.00 m	0.00	(P) / F	(P) / F

CCV 0.008

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

COMMENTS:

Request Number: RQ-2018-06-25-20

killearn lakes

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Curtis Musson, Jason Stoltz

Field Report Prepared By:

Sampling Agency: FDEP

Location / Field ID / WIN/STORET #: Lake Monkey Business Middle — WIN ID/Field ID: G1WA0036

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 6-27-18 Time 8:20 Eastern ~~Central~~ | Composite end Date / Time / | Bottle Group(s) (See pg 2): A

Matrix (~~type, e.g., Salt~~, Fresh, ~~etc~~): Fresh | Diss. Oxygen 97.7 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 32.58 | pH 8.09 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 88

Salinity (ppt) 0.04 | Comments

Location / Field ID / WIN/STORET #: Upper Dianne Lake Middle — WIN ID/Field ID: G1WA0041

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 6-27-18 Time 851 Eastern ~~Central~~ | Composite end Date / Time / | Bottle Group(s): A

Matrix (~~type, e.g., Salt~~, Fresh, ~~etc~~): Fresh | Diss. Oxygen 112.0 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 32.01 | pH 8.63 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 101

Salinity (ppt) 0.05 | Comments

Location / Field ID / WIN/STORET #: Lower Dianne Lake Middle — WIN ID/Field ID: G1WA0040

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 6-27-18 Time 9:38 Eastern ~~Central~~ | Composite end Date / Time / | Bottle Group(s): A

Matrix (~~type, e.g., Salt~~, Fresh, ~~etc~~): Fresh | Diss. Oxygen 114.4 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 31.98 | pH 8.61 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 95

Salinity (ppt) 0.04 | Comments

Location / Field ID / WIN/STORET #: Petty Gulf lake Middle — WIN ID/Field ID: G1WA0022

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 6-27-18 Time 1029 Eastern ~~Central~~ | Composite end Date / Time / | Bottle Group(s): A

Matrix (~~type, e.g., Salt~~, Fresh, ~~etc~~): Fresh | Diss. Oxygen 113.6 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 31.90 | pH 8.07 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 60

Salinity (ppt) 0.03 | Comments

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

Curtis Musson

Request Number: RQ-2018-06-25-20
killearn lakes

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 2
last revised Jan 25, 2018

Customer: WAS-SECT
Project ID: SMP

Requester: Curtis Musson
Collected By: Curtis Musson, Jason Storrs
Field Report Prepared By: Curtis Musson
Sampling Agency: FDEP

Location
Field ID **Pine Hill Lake Middle**
WIN ID/Field ID G1WA0054
WIN/STORET #
Latitude ☐ dd ☐ dms
Longitude ☐ dd ☐ dms
☐ Comp ☒ Grab
Collection (comp begin or grab) Date 6-27-18 Time 1048
Eastern ~~Central~~
Composite end Date / Time /
Matrix ~~(type, e.g., Salt,~~ Fresh, ~~etc)~~ Fresh
Diss. Oxygen 109.9 ☐ mg/L ☒ % sat
Total Res. Chlorine (mg/L) —
Temp (C) 32.40
pH ~~7.98~~ 7.61
Sample Depth 0.3 ☐ ft ☒ m
Sp. Conductance (umho/cm) 47
Salinity (ppt) 0.02
Comments
Bottle Group(s) (See pg 2) A

Location
Field ID
WIN/STORET #
Latitude ☐ dd ☐ dms
Longitude ☐ dd ☐ dms
☐ Comp ☐ Grab
Collection (comp begin or grab) Date Time
Eastern Central
Composite end Date Time
Matrix (type, e.g., Salt, Fresh, etc)
Diss. Oxygen ☐ mg/L ☐ % sat
Total Res. Chlorine (mg/L)
Temp (C)
pH
Sample Depth ☐ ft ☐ m
Sp. Conductance (umho/cm)
Salinity (ppt)
Comments
Bottle Group(s)

Location
Field ID
WIN/STORET #
Latitude ☐ dd ☐ dms
Longitude ☐ dd ☐ dms
☐ Comp ☐ Grab
Collection (comp begin or grab) Date Time
Eastern Central
Composite end Date Time
Matrix (type, e.g., Salt, Fresh, etc)
Diss. Oxygen ☐ mg/L ☐ % sat
Total Res. Chlorine (mg/L)
Temp (C)
pH
Sample Depth ☐ ft ☐ m
Sp. Conductance (umho/cm)
Salinity (ppt)
Comments
Bottle Group(s)

Location
Field ID
WIN/STORET #
Latitude ☐ dd ☐ dms
Longitude ☐ dd ☐ dms
☐ Comp ☐ Grab
Collection (comp begin or grab) Date Time
Eastern Central
Composite end Date Time
Matrix (type, e.g., Salt, Fresh, etc)
Diss. Oxygen ☐ mg/L ☐ % sat
Total Res. Chlorine (mg/L)
Temp (C)
pH
Sample Depth ☐ ft ☐ m
Sp. Conductance (umho/cm)
Salinity (ppt)
Comments
Bottle Group(s)

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
CurtisMusson	6-27-18 / 11:36	Drop off	2		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# SA8085170
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 **Qty: 5** **Preservation: ICE** **Lot #** 00071006
Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	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	Description
CHLSUITE-W	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	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: P-500ML **Qty: 5** **Preservation: ICE And H2SO4** **Lot #** 000706834

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: 5** **Preservation: FILTER-ICE** **Lot #** 000708886

Description: Plastic Bottle 125 mL

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

Cooler Packed By: MK Number of Coolers: 2 Date: 6/21/18

Kit must also include:

- J Field Sheets
- J Temperature Control Bottle
- J FedEx Bills, if applicable
- J 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