FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?
Yes / No

WIN Station Name: Lake Monkey Business Middle **Date:** 3/7/2018 (mm/dd/yyyy)

WIN/ Field ID: G1WA0036 **WBID:** 546C **Latitude:** 30.60779 (Decimal Degrees)

County: Leon **ORG ID:** 21FLWQA **Longitude:** -84.23076 (Decimal Degrees)

Receiving Body of Water: Lake Iamonia **RQ-2018-** 03-05-~~2018~~ 26

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys		X			
Jason Storrs	X		X	X	X

Sampling Equipment

- [x] Sample Container ☐ Van Dorn ☐ Pole
- ☐ Carboy [x] Syringe
- ☐ Dipper ☐ Other

Depth Measured with: YSI

Equipment ID: Biology #2

Collection Method

- ☐ Wading [x] Canoe/Kayak
- ☐ From Shore ☐ Electric Motor
- ☐ Other ☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** Biology #2 **Matrix:** (Fresh) / Marine / DI

Photos: Yes / (No) **Flow:** No Flow / Intestital / 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 (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
(EST)	1105	1.8	0.3	1.1	8.28	88.6	7.31	0.03	75	18.61
CEN	1103		1.3		8.24	88.1	7.46	0.03	75	18.55

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

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: 1972790

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	SA7341020	12/7/18	[x] <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice	10827054		
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin	Place Prese[...]		
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	[x] E Coli ☐ F Coli ☐ Enterococci	[x] 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			

Label: Contains: 1:1 H2S04 Lot No.: SA7341020 Expires: 12/07/18 See Safety Data Sheet (SDS)

SULFURIC ACID <51% — THERMO FISHER SCIENTIFIC, 520 NORTH MAIN STREET, MIAMI, OK 74354 — Contains: 1:1 H2S04 — DANGER

Notes:

A-Kit
FW Bacteria

Lake Monkey Business Middle

WIN ID/Field ID
G1WA0036

Signature: [signature] **Date:** 3/7/18

Enter Field Parameters, Verify Station ID In LIMS DMT: [initials] 4/13/18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: [initials] 4/16/18 (Initials/Date)

Scan/Save Field Sheets 4/18/18 [initials] (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- 2018-03-05-26 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.	Ben Ralys	3/7/18	7:10	20.96	8.93	8.92	100.0	62.5	–	(P) / F	(L) / F
ICV	Ben Ralys	3/7/18	7:12	20.97	8.93	8.92	100.0	61.4	–	(P) / F	(L) / F
CCV	Ben Ralys	3/7/18	1:38	21.55	8.82	8.94	101.3	60.4	–	(P) / F	(L) / 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 CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	3/7/18	7:14	171005D	10/2018	1,000	999	(P) / F	(L) / F
ICV	Ben Ralys	3/7/18	7:14	171005D	10/2018	1,000	1,001	(P) / F	(L) / F
CCV	Ben Ralys	3/7/18	1:40	171005E	10/2018	100	99	(P) / F	(L) / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	Ben Ralys	3/7/18	7:18	1706143	12/2018	7.0	6.98	2.3	(P) / F	(L) / F
Calibr.	Ben Ralys	3/7/18	7:20	171005A	10/2018	4.0	3.98	178.9	(P) / F	(L) / F
Calibr.	Ben Ralys	3/7/18	7:22	171005C	4/2019	10.0	9.81	-151.0	(P) / F	(L) / F
ICV	Ben Ralys	3/7/18	7:25	171005C	4/2019	10.0	9.81	-148.8	(P) / F	(L) / F
CCV	Ben Ralys	3/7/18	1:43	171005A	10/2018	4.0	3.94	178.9	(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 ± 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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Request Number: RQ-2018-03-05-26

NE Tallahassee 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: Ben Rabs, Jason Storms

Field Report Prepared By: Ben Rabs, Jason Storms

Sampling Agency: FDEP

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

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/7/18 Time 845 Eastern Central | Composite end Date — Time — | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 84.4 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 18.40 | pH 6.92 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 58

Latitude 30.58915 ☒ dd ☐ dms | Longitude -84.22637 ☒ dd ☐ dms | Salinity (ppt) 0.03 | Comments

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Location: Pine Hill Lake Middle
Field ID:
WIN/STORET #:
WIN ID/Field ID: G1WA0054

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/7/18 Time 820 Eastern Central | Composite end Date — Time — | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 87.7 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 17.88 | pH 5.94 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 44

Latitude 30.58492 ☒ dd ☐ dms | Longitude -84.2195 ☒ dd ☐ dms | Salinity (ppt) 0.02 | Comments

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

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/7/18 Time 930 Eastern Central | Composite end Date — Time — | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 90.1 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 18.55 | pH 7.34 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 85

Latitude 30.59355 ☒ dd ☐ dms | Longitude -84.23534 ☒ dd ☐ dms | Salinity (ppt) 0.04 | Comments

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

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/7/18 Time 1040 Eastern Central | Composite end Date — Time — | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 111.8 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 18.14 | pH 8.80 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 92

Latitude 30.59986 ☒ dd ☐ dms | Longitude -84.23778 ☒ dd ☐ dms | Salinity (ppt) 0.04 | Comments

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Relinquished By	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	3/7/18 1323	Drop-off		ABP	03-07-18 | 13:23

Request Number: RQ-2018-03-05-26

NE Tallahassee 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: Ben Ralys, Jason storrs

Field Report Prepared By: Ben Ralys, Jason Storrs

Sampling Agency: FDEP

Location / Field ID / WIN/STORET #: **Lake Monkey Business Middle**	WIN ID/Field ID G1WA0036	☐ Comp ☒ Grab	Collection (comp begin or [✓ grab]) Date 3/7/18 Time 1105 [✓ Eastern] Central	Composite end Date – Time –	Bottle Group(s) (See pg 2) A
		Matrix (type, e.g., Salt, [✓ Fresh], etc) Fresh	Diss. Oxygen 88.6 ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) –	
		Temp (C) 18.61	pH	Sample Depth 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm) 75
Latitude 30.60779 ☒ dd ☐ dms	Longitude -84.23076 ☒ dd ☐ dms	Salinity (ppt) 0.03	Comments		

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

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

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

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	3/7/18 1323	Drop-off		ABJ	03-07-18 13:23

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

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 5

W-PO4-F

Cooler Packing Worksheet for Request: RQ-2018-03-05-26
NE Tallahassee lakes
Ship Cooler On: 3/2/2018
Customer/Project: WAS-SECT/SMP

Assigned To: SHAIK_A
Requester: Curtis Musson
Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:
No preservatives needed.

Group A: Freshwater Kit + Ecoli

Packing Notes
No FedEx lables
no trash bages
2 Submital forms

Requested Analyses:

Bottle Group: A # of Sites: 5

Container ID: P-1L **Qty: 5** **Preservation: ICE** **Lot #** 0000969122

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

Container ID: BP-1L **Qty: 5** **Preservation: ICE** **Lot #** 1214297

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 #** L17167

Description:

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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Container ID: P-500ML **Qty: 5** **Preservation: ICE And H2SO4** **Lot #** 0008 0302

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 #** 0006 9732

Description: Plastic Bottle 125 mL

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

Cooler Packed By: [signature] Number of Coolers: 2 Date: 2-28-18

Kit must also include:
- ✓ Field Sheets
- ✓ Temperature Control Bottle
- X FedEx Bills, if applicable
- ✓ Plastic Bags
- ✓ Zip Ties

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2018-03-05-26