



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Wards Creek @ W Lake Rd

Date: 04/08/2019
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0102

WBID: 459

Latitude: 30.5644

County: Jefferson

ORG ID: 21FLTLHR

(Decimal Degrees)

Longitude: -83.9093

Receiving Body of Water: Lake Miccosukee

RQ: 2019-01-21-12
(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>Ben Harden</u>						☒	☒	☒	☒	☒
<u>Carl Blair</u>						☒	☒	☒	☒	☒

Sampling Equipment									
☐ Sample Container	☒ Van Dorn	☐ Pole							
☐ Carboy	☐ Syringe								
☐ Dipper	☐ Other								
Depth Measured with <u>ProDSS</u>									
Equipment ID <u>153489, #1</u>									

Collection Method									
☐ Wading	☐ Canoe/Kayak								
☐ From Shore	☐ Electric Motor								
☒ Other <u>Bridge</u>	☐ Gasoline Motor								

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

Meter ID# 153484 Matrix: Fresh / Marine / DI

Photos: Yes / No Flow: No Flow / Intestinal / Flowing PNA Tide: Rising/ Falling/ Slack/ NA Tide Times: High Low

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	<u>530</u>	<u>1.0</u>	<u>0.3</u>	<u>0.2</u>	<u>0.63</u>	<u>7.1</u>	<u>4.99</u>	<u>0.02</u>	<u>42.1</u>	<u>20.8</u>
CEN		<u>0.84</u>								

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

SBIO 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	<u>SA827460</u>	<u>10/01/19</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um 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-HF1B3 ☐ 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-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Place Preservative Sticker(s) Here (If Available)

Notes:

Signature: [Signature]

Field/WIN ID →

Location ↓



G1TLHR0102

Wards Creek @ W Lake Rd

Date: 04/08/2019

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: _____

Scan/Save Field Sheets _____ (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data In WIN: _____ (Initials/Date)

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

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Ecklas

Field Report Prepared By:

Collected By: Flay/Harden

Sampling Agency: 4034

[illegible]

Field/WIN ID →							Bottle Group(s)
	G31TLHR0102						
Location ↓							
Wards Creek @ W Lake Rd							
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms				
Location							
☐ Comp Grab	Collection (comp begin or grab) Date	Time	☒ Eastern Composite end				
☒ Grab	Date	Time	Date				
Matrix (Type, e.g., Salt, Fresh, etc)	Fresh	1530	04/08/19				
Diss. Oxygen	0.63						
☒ mg/L Total Res. Chlorine	☐ % sal						
Temp (C)	20.6	pH	4.99	Sample Depth	0.3		
Salinity (ppt)	0.02	Comments					
☐ ft m	☒ Sp. Conductance (umho/cm)	42.1				A	

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

Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Sp. Conductance	Group(s)
WIN/STORET #	Temp (C)	pH	Sample Depth	
Latitude	☐ dd ☐ dms	☐ dd ☐ dms	☐ ft ☐ m	
	Salinity (ppt)	Comments		

Blair	04/08/19	Hand Delivered	Number of Coolers Shipped:	Received By: TK	Date/Time
					04/08/19 @ 4:41

Bottle Type:

P-1L

of Bottles: 2

Preservative:

ICE

Enter Number of Bottles Sent to Lab

2

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Group: A

Bottle Type:

BP-1L

of Bottles: 2

Preservative:

ICE

Enter Number of Bottles Sent to Lab

2

CHLSUITE-W

Group: A

Bottle Type:

P-250ML-WO-THI

of Bottles: 2

Preservative:

ICE

Enter Number of Bottles Sent to Lab

2

ECOLI-18QT

Group: A

Bottle Type:

P-500ML

of Bottles: 2

Preservative:

ICE And H2SO4

Enter Number of Bottles Sent to Lab

2

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

SA 8274050

Group: A

Bottle Type:

P-125ML

of Bottles: 2

Preservative:

FILTER-ICE

Enter Number of Bottles Sent to Lab

2

W-PO4-F

Group: B

Bottle Type:

P-1L

of Bottles: 5

Preservative:

ICE

Enter Number of Bottles Sent to Lab

ALKALINITY

TURBIDITY

W-BR-IC

W-F

W-TSS

Group: B

Bottle Type:

BP-1L

of Bottles: 5

Preservative:

ICE

Enter Number of Bottles Sent to Lab

CHLSUITE-W

Group: B

Bottle Type:

P-250ML-WO-THI

of Bottles: 5

Preservative:

ICE

Enter Number of Bottles Sent to Lab

ENT-24-QT

Group: B

Bottle Type:

P-500ML

of Bottles: 5

Preservative:

ICE And H2SO4

Enter Number of Bottles Sent to Lab

W-NH3

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

Boldly "X" this box if there are qualified data on this page.

Meter ID: 153484

RQ-

2018-12-31-28
2019-01-21-12

Project:

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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 04/19

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Harden	04/08/19	0812	20.3	757.7	9.1	9.02	99.7		1.057927	P / F	D / F
ICV	"	"	0825	19.0	757.8	9.3	9.36	100.2			P / F	D / F
CCV	"	"	1619	20.9	754.6	8.9	9.10	101.8			P / F	D / 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 (Pro DSS 0.75 to 1.50); 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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Harden	04/08/19	0816	180621C	07/19	1000	1000	P / F	D / F
ICV	"	"	0817	1805F81	05/20	100	101.2	P / F	D / F
CCV	"	"	0621	180621C	07/19	1000	998	P / F	D / 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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ben Harden	04/08/19	0819	180403C	10/19	7.02	19.5	7.03	31.2	P / F	D / F
Calibr.	"	"	0821	180621D	07/19	4.00	19.1	4.00	194.2	P / F	D / F
Calibr.	"	"	0823	180621F	01/20	10.06	19.6	10.08	-196.3	P / F	D / F
ICV	"	"	0824	"	"	10.07	19.2	10.06	-195.6	P / F	D / F
CCV	"	"	1622	180621D	07/19	4.00	20.0	4.14	132.6	P / F	D / 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 10 165.1, slope from 4 to 7 175.4 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 04/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: ; Date of last 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	Ben Harden	04/08/19	0810	0.272	0.272	P / F	D / F

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

COMMENTS: