



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 10

Data Qualified?

Yes / No

Location/STORET Station Name: Withlacoochee River

Date: 10/03/2017

(mm/dd/yyyy)

STORET # G1WA0064

WBID: 3315

Latitude: 30.470162

County: Madison

RQ: 2017-10-02-43

ORG ID: 21FLWQA

Longitude: -83.23198

(Decimal Degrees)

Receiving Body of Water: Suwannee R.

Field ID: G1WA0064_10032017

(Decimal Degrees)

Sampling Team Members

Curtis Musson

Ben Ralys

Sampling Equipment

- ☒ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☒ Syringe
☐ Dipper ☐ Other

Equipment ID

Collection Method

- ☐ Wading ☐ Via Boat
☐ From Shore ☐ Canoe/Kayak
☐ Other (note below) ☒ Electric Motor
☒ Gasoline Motor

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

Matrix: Fresh / Marine / DI

Meter ID# Bio 2

Photos: Yes / No

Tide Falling: Yes / No / NA

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	11:55	0.3	1.7	5.12	60.4	7.22	0.13	1.6	276	23.48
CEN	12:02	1.2		5.05	59.4	7.45	0.13		277	23.48

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

SBIO ID Numbers: SBIO-ID: 77999 RPS-ID: 8823 Macrophyte-ID: L2m2 LIMS#: 1933640

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	7163030	6/12/18	☒ <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-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 ☐ qPCR	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes:

Kit A
RPS
LVS
HA

STORET ↓

Withlacoochee
Near Pot Spring



G1WA0064

Field ID →

Withlacoochee
Near Pot Spring

Oct 03, 2017



G1WA0064_10032017

Signature: *Curtis Musson*

Date: 10/3/17

Field Parameters Entered into LIMS: 10/5/17 (Initials/Date)

Field Parameters QC in LIMS: (Initials/Date)

Date Migrated to STORET: (Initials/Date)

Field Sheets Scanned/Saved: 10/9/17 (Initials/Date)

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: White Lake Near Port Springs County: Madison Date: 10/3/17 Investigators: Curtis Mussen

Transect (m) Point 1=right 9=left Algal Thickness Rank (N-6, X) Estimated Canopy Cover

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STORET Station Number: 6140064

Secchi depth 1.6
Estimated? no

points ranked 4-6 36
total points assessed 99
% points ranked 4-6 36%

Check accompanying data collected at same site/date.

Algal mat sample X
Linear Veg Survey X
Habitat Assessment X
SCI/Biorecon NO
Water sample X

RQ-2017-1002-43

Algal Thickness Rank	
N	rough, no algae, slimy, algae up to 1mm
3	>1mm - 6mm
4	>6mm - 20mm
5	>20mm - 10 cm
6	>10 cm

SBFO ID: 77199

RPS: ID: 8823

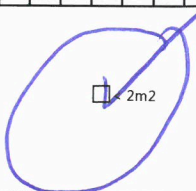
Record "N" and check "Estimated" for points deeper than the Secchi depth; algae are presumed absent. Check "Estimated" if thickness estimated for deep points which can be seen but not reached.
Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank.
Record canopy cover as the number of small densiometer quadrants (out of 96) that HAVE canopy cover. Measure facing upstream at point 4, 5, or 6.
Collect algal mat sample following DEP SOP FS 7240 if the percentage of total sampled points with a thickness rank of 4, 5, or 6 is >20%.

DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

G1WAP0064

Waterbody: <u>Wichita River</u>		Date: <u>10/3/17</u>	County: <u>Madison</u>	Storet Number:
Analyst: <u>Curtis Musson</u>		Signature: <u>Curtis Musson</u>		
Comments: SMP Sampling				
Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m ² of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, so use blank spaces for additional taxa names.				

HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)		HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)				
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100				0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100					
Alternanthera philoxeroides								X					Myriophyllum heterophyllum															
Bacopa caroliniana													Najas guadelupensis															
Bacopa monnieri													Nuphar luteum															
Bidens mitis													Orontium aquaticum															
Boehmeria cylindrica													Panicum hemitomon															
Centella asiatica													Panicum repens															
Ceratophyllum demersum													Panicum rigidulum															
Chara													Peltandra virginica															
Cicuta maculata													Pistia stratioides															
Cladium jamaicense													Polygonum glabra															
Colocasia esculenta													Polygonum hydropiperoides															
Commelina diffusa													Polygonum punctatum															
Commelina virginica													Pontedaria cordata															
Crinum americanum													Potamogeton illinoensis															
Diodia virginiana													Rhynchospora inundata															
Eichhornia crassipes													Rosa palustris															
Eleocharis (wispy viviparous)													Ruellia simplex															
Hydrilla verticillata													Rumex verticillatus															
Hydrocotyle													Sacciolepis striata															
Hygrophila polysperma													Sagittaria kurziana															
Hymenocallis													Sagittaria lancifolia															
Lachnanthes caroliniana													Sagittaria latifolia															
Landoltia punctata													Salvinia minima															
Lemna													Samolus parviflora															
Limnophila sessiflora													Saururus cernuus															
Ludwigia leptocarpa													Scirpus (schenoplectus) californicus															
Ludwigia palustris													Sparganium americanum															
Ludwigia peruviana													Typha															
Ludwigia repens													Vallisneria americana															
Luziola fluitans													Zizania aquatica															
Micranthemum glomeratum																												
Micranthemum umbrosum																												
Mikania scandens																												
Myriophyllum aquaticum																												
If no Dominant or Co-Dominant were selected, indicate with "X"																												
Indicate % cover macrophytes per section																								Notes:				
0-5% Macrophyte Coverage																								SBFO ID: 77999				
>5 and ≤10% Macrophyte Coverage																												
>10 and ≤25% Macrophyte Coverage																												
>25 and ≤50% Macrophyte Coverage																												
> 50% Macrophyte Coverage																												



SBIO ID 77994

DEP Form FD 9000-5 Stream/River Habitat Assessment Field Sheet

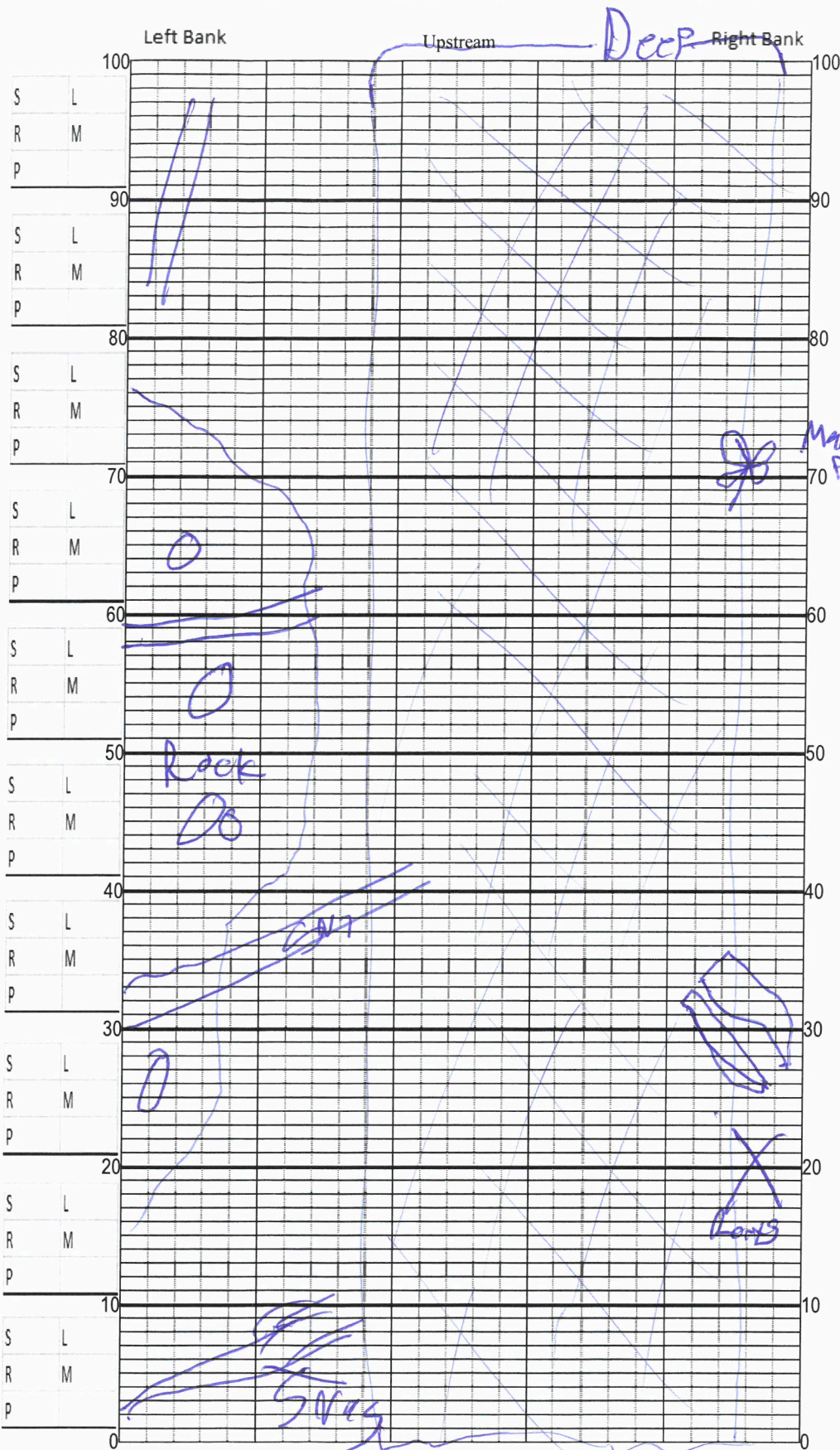
SAMPLING AGENCY: Florida Department of Environmental Protection		STORET STATION NUMBER: <u>G14A0064</u>	DATE (MM/DD/YY): <u>10/03/17</u>	RECEIVING BODY OF WATER: <u>Suwannee R</u>
REMARKS:	COUNTY: <u>Madison</u>	LOCATION: <u>Withlacoochee Near Port Springs</u>	FIELD ID/NAME:	

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components ☒ Snag ☒ Roots ☒ Leaf ☒ Rock ☒ Aquatic Vegetation Substrate Diversity <u>14</u>	Four or more major productive habitats present [snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock] 20 19 18 17 16	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags) 15 <u>14</u> 13 12 11	Two major productive habitats present. Less than desirable habitat, frequently disturbed or removed 10 9 8 7 6	One or less major productive habitat. Lack of habitat is obvious, substrates unstable or smothered 5 4 3 2 1
Substrate Availability <u>20</u> <u>330</u> %	Major productive habitat present at site (>30% 27.2% 25.8% 24.4% 26.6%) <u>20</u> 19 18 17 16	Major productive habitat, by aerial extent (21.6% 20.2% 18.8% 17.4% 16%) 15 14 13 12 11	6% to 15% major productive habitat (15% 13% 11% 9% 6%) 10 9 8 7 6	Less than 5% major productive habitat 5 4 3 2 1
Water Velocity <u>17</u> <u>127</u> m/s	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec ≥0.33 0.31 0.29 <u>0.27</u> >0.25 20 19 18 <u>17</u> 16	Max. observed at typical transect: >0.1 to 0.25 m/sec 0.25 0.21 0.17 0.13 >0.1 15 14 13 12 11	Max. observed at typical transect: 0.05 to 0.1 m/sec 0.1 0.09 0.07 0.06 0.05 10 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec <0.05 0.04 0.03 0.01 <0.01 5 4 3 2 1
Habitat Smothering <u>11</u> ----- Primary Score <u>62</u>	Adequate number of stable pools (1-2 per 12 times width) and <25% of habitats affected by sand, silt, or algae. 20 19 18 17 16	Adequate number of stable pools (1-2 per 12 times width) and >25% of habitats affected by sand, silt, or algae. 15 14 13 12 <u>11</u>	Does not have required number of stable pools (1-2 per 12 x width) and/or has shallow pools (<2 x prevailing depth). 10 9 8 7 6	Stable pools are absent. Most habitats affected by sand, silt, or algae accumulation. 5 4 3 2 1
Secondary Habitat Components Artificial Channelization <u>20</u>	Expected sinuosity given the stream width. No evidence of dredging or artificial straightening. No spoil banks. 20 19 18 17 16	Good sinuosity within old channelized area. Evidence of dredging in the past (>25 yrs) but mostly recovered. 15 14 13 12 11	Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area. 10 9 8 7 6	Straightened or engineered by dredging, has trapezoidal or box cut cross section, lacks required pools. May have spoil banks. 5 4 3 2 1
Bank Stability Right Bank <u>10</u> Left Bank <u>10</u> If Banks are PipeClay, BedRock or Concrete at Bank full: Optimal	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankfull to top of bank. Bankfull is within or above the root zone with few raw, eroded areas. (+,+,+) 10 9	Only meets 2 of the 3 requirements for optimal bank stability. (+,+,+) 8 7 6	Only meets 1 of the 3 requirements for optimal bank stability. (+,+,+) 5 4	Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas. (-,-,-) 3 2 1
Riparian Buffer Zone Width Right Bank <u>10</u> Left Bank <u>10</u>	Width of vegetation greater than 18 m 10 9	Width of vegetation >12 to 18m 8 7 6 (18m 15m 12m)	Width of vegetation 6 to 12 m. human activities close to system 5 4 (9m)	Less than 6 m of buffer zone due to intensive human activities 3 2 1 (6-5m) (4-3m) (<2m)
Riparian Zone Vegetation Quality Right Bank <u>10</u> Left Bank <u>10</u> ----- Secondary Score <u>80</u>	Over 80% of riparian surfaces consist of normal, expected plant community for given sunlight & habitat conditions (e.g., native plants; tree, shrub, and forbs represented, if appropriate). Minimal disturbance. 10 9	>50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed. 8 7 6	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious. 5 4	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). 3 2 1

142 TOTAL SCORE

Date: <u>10/3/2017</u>	Analyst: <u>Curtis Mussen</u>	Signature: <u>[Signature]</u>
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DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet



Location: GIWA0064
 Date: 10/3/2017
 Sampler: Curtis Mussen

100 m: Latitude	
Longitude	
0 m: Latitude	
Longitude	
Substrates: Code key, draw proportionate habitat abundance. %	
☐ S	Snags <u>1</u>
☐ R	Roots/undercut banks <u>< 1%</u>
☐ L	Leaf Packs (or mats) <u>0</u>
☐ M	Aquatic Macrophytes <u>< 1%</u>
☐ Rc	Rock <u>> 30%</u>
☐	
☐ P	Pools total # observed = <u> </u> # range expected = <u> </u>

Average width m
 Average depth 1.7 m
 Velocity measured at 60 meter mark.
 Velocity 0.27 m/s

WQ & chemistry taken at 60 meter mark.

Habitat Smothering:
 Note areas (on map) where sand or silt is smothering substrates, limiting habitability.

Bank Stability:
 Note areas (on map) with unstable, eroding banks.

Riparian Buffer Width:
 Note areas (on map) where natural vegetation is altered or eliminated.

Notes/Plants Observed:
 2m² = 16 Sweeps

# of Sweeps	Conversion	m ²	%
Snag	÷ 8	m ²	
Root	÷ 8	m ²	
Leaf	÷ 8	m ²	
Macrophyte	÷ 8	m ²	
Rock	÷ 8	m ²	
Total Available Habitat		m ²	
Total Area		m ²	
Total Unavailable Habitat		m ²	

Meter Mark	Depth (m)	Width (m)	Velocity Measurement (Sec)
Avg.			

Length of grid represents 100 m of stream (not linear meters). (Horizontal scale is double vertical scale, draw proportionately).

Expected Number of Pools

$$\left(\frac{100}{12 \times W} \right) \times 1 =$$

$$\left(\frac{100}{12 \times W} \right) \times 2 =$$

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 name.

Meter ID: B10 #2

RQ: 2017-10-02-43

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.	Curtis Mussen	10/3/17	713	21.67	8.794	8.81	100.1	55	-	P/F	U/F
ICV	Curtis Mussen	10/3/17	715	21.58	8.812	8.83	100.2	54	-	P/F	U/F
CCV	Curtis Mussen	10/3/17	1443	23.51	8.498	8.55	100.6	54	-	P/F	U/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.	Curtis Mussen	10/3/17	716	170310D	03/2018	1000	1000	P/F	U/F
ICV	Curtis Mussen	10/3/17	717	170310D	03/2018	1000	1000	P/F	U/F
CCV	Curtis Mussen	10/3/17	1445	170614D	06/2018	100	104	P/F	U/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.	Curtis Mussen	10/3/17	719	170310B	9/2018	7.0	6.99	42	P/F	U/F
Calibr.	Curtis Mussen	10/3/17	722	170614A	6/2018	4.01	4.01	209	P/F	U/F
Calibr.	Curtis Mussen	10/3/17	723	170310C	9/2018	10.01	9.97	-117	P/F	U/F
ICV	Curtis Mussen	10/3/17	724	170614A	6/2018	4.01	3.92	213	P/F	U/F
CCV	Curtis Mussen	10/3/17	1446	170310C	9/2018	10.01	9.96	-116	P/F	U/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	Curtis Mussen	10/3/17	726	0.000	0.000	P/F	U/F

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

COMMENTS:

Request Number: RQ-2017-10-02-43

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Page ____ of ____

Withlacoochee River RPS

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By: Curtis Musson

Sampling Agency: FDEP

Collected By: Curtis Musson, Ben Ralls

Location

Withlacoochee
Near Suwannee

STORET ↓



G1WA0065

Field

Field ID →

ST Withlacoochee
Near Suwannee

Oct 3, 2017

G1WA0065_10032017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>10/3/17</u> Time <u>10:00</u>	☒ Eastern ☐ Central	Collection (comp begin or grab) Date <u>/</u> Time <u>/</u>	Bottle Group(s) <u>A, B</u>
Matrix (Salt, Fresh) <u>Fresh</u>	Diss. Oxygen (mg/L) <u>4.43</u>			
Temp (C) <u>22.74</u>	pH <u>7.70</u>	Sample Depts (m) <u>0.3</u>	Sp. Conductance (umho/cm) <u>308</u>	
Salinity (ppt) <u>0.15</u>	Comments <u>RPS</u>			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		

Location

Withlacoochee
Near Pot Spring

STORET ↓



G1WA0064

Field

Field ID →

S Withlacoochee
Near Pot Spring

Oct 03, 2017

G1WA0064_10032017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>10/3/17</u> Time <u>1155</u>	☒ Eastern ☐ Central	Collection (comp begin or grab) Date <u>/</u> Time <u>/</u>	Bottle Group(s) <u>A, B</u>
Matrix (Salt, Fresh) <u>FRESH</u>	Diss. Oxygen (mg/L) <u>5.12</u>			
Temp (C) <u>23.48</u>	pH <u>7.22</u>	Sample Depts (m) <u>0.3</u>	Sp. Conductance (umho/cm) <u>276</u>	
Salinity (ppt) <u>0.13</u>	Comments <u>RPS</u>			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		

Location

☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	☐ Eastern ☐ Central	Collection (comp begin or grab) Date _____ Time _____	Bottle Group(s)
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)			
Temp (C)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)	
Salinity (ppt)	Comments			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		

Field ID

STORET #

Relinquished By:

Curtis Musson

Date/Time

10/3/17 / 1228

Number of Coolers

1

Received By:

ABR

Date/Time

10-3-17 / 12:28

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2 of 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 of 2
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4		Enter Number of Bottles Sent to Lab	2 of 2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative: ICE-FLTR		Enter Number of Bottles Sent to Lab	2 of 2
	W-PO4-F						
Group: B	Bottle Type:	PT-50ML	# of Bottles: 2	Preservative: ICE		Enter Number of Bottles Sent to Lab	2 of 2
	ALGAL_ID						

Cooler Packing Worksheet for Request: RQ-2017-10-02-43

Withlacoochee Rver RPS

Ship Cooler On: 9/29/2017

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:

No preservatives needed.

Group A: Freshwater Kit

Group B: Algal ID

No feded Labels needed

Thanks

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00068657

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

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1199138

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00068654

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: 2 Preservation: ICE-FLTR

Lot # 00068347

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: 2

Container ID: PT-50ML

Qty: 2 Preservation: ICE

Lot # 430897

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Cooler Packed By: SR Number of Coolers: 1 Date: 9-26-17

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☐ 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-2017-10-02-43