FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

Data Qualified? Yes / No

STORET Station Name: Big Cypress Branch 100 meters upstream of CR 67 **Date:** ~~4/14/2016~~ 5/12/2016 (mm/dd/yyyy)

STORET Station ID: ~~G1WA0031~~ CM G1WA0003 **Latitude:** 30.3459 (Decimal Degrees)

WBID: 1023 **RQ -** 2016-04-11-34 **ORG ID:** 21FLWQA **Longitude:** -84.7829 (Decimal Degrees)

Receiving Body of Water: Ochlockonee River **Field ID:** G1WA0031 **County:** Liberty

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys					
Justin Wallheiser					

Sampling Equipment

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

Collection Method

- [x] Wading
- [ ] From Shore
- [ ] Other (note below)

Via Boat
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

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

Matrix: Fresh / Marine / DI

Meter ID# #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	2105	.3	.4	7.15	78.2	7.34	.25	LOB	524	19.62
CEN										

Biological Samples Collected: None HA SCI LVS RPS LVI Other

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [ ] H_2SO_4			[ ] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_2			[ ] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[ ] Ice			
Chlorophyll	[x] CHLSUITE-W	[ ] Ice			
BOD	[ ] BOD-UNIN	[ ] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[ ] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[x] MI-FW-QLDC	[ ] Formalin			
Microbiology	[ ] E Coli [ ] F Coli [ ] Entero [ ] QPCR	[ ] Ice			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-AHERB-AA [ ] W-PYR-AA-R [ ] W-PC-AA-SF [ ] W-UHERB-AA [ ] W-GLYPH	[ ] Ice [ ] Other			

Contains 1:1 Sulfuric Acid SA-5259020 EXP: 09/16/16 Warning! See MSDS

...vative Sticker(s) Here ...If Available)

Notes:

SBIO: 7611

RPS 8064

MacroPhyts 1.2m²

G1WA0031 ~~08 Apr 16~~ 12 May 2016

BIG CYPRESS BRANCH 100 meters upstream of CR 67

Signature: **Date:**

Field Parameters Entered into LIMS: CM 5/23/16 (Initials/Date) **Field Parameters QC in LIMS:** (Initials/Date)

Date Migrated to STORET: (Initials/Date) **Field Sheets Scanned/Saved:** CM 5/23/16 (Initials/Date)

DEP-SOP-001/01: Form FD 9000-3 (9/19/12)

0003 PHYSICAL/CHEMICAL CHARACTERIZATION FIELD SHEET

SAMPLE ID GIWA0003Lon ORG ID 21FLWQA LATITUDE 30.3459
COUNTY Liberty STORET # ~~GIWA0031~~ GIWA0003 LONGITUDE -84.7829
DATE 5/12/2016 TIME 1405 SAMPLING AGENCY FDEP
SITE NAME Big Cypress branch 100 meters upstream of CR 67
FIELD ID/NAME ~~GIWA0031Lin~~ GIWA0003 RECEIVING BODY OF WATER Ochlockonee River

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category) :

Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industry	Other (Specify) Reservoirs
56.6	36.3	0.1	0	5.2	0	1.3	0.5

Landscape Development Intensity Index (LDI): 1.69

Local Watershed Erosion (select one) : [X] None [ ] Slight [ ] Moderate [ ] Heavy

Local Watershed NPS Pollution : [ ] No evidence [X] Slight [ ] Moderate [ ] Heavy

Width of Riparian Vegetation (m) on Each Buffer Side Left Bank : 718 Right Bank : 718

Hydrologic Modification Score (per FT 3101) : 3-4

High Water Mark: (m) (above present water level) + (present depth) = (above bed)

Artificially Impounded [X] Yes [ ] No

Typical Width (m) Depth (m)/Velocity (m/sec) Transect

– m/s	0.09 m/s	– m/s
– m deep	0.4 m deep	– m deep

2.5 m wide

Artificially Channelized : [X] No [ ] Some recovery [ ] Mostly recovered, more sinuous [ ] Recent, severe

Canopy Cover % 96 [ ] Open [ ] Lightly Shaded (11-45%) [ ] Heavily Shaded [X] Moderate Shaded (46-80%)

SEDIMENT / SUBSTRATE

Sediment Oils [X] Absent [ ] Slight [ ] Moderate [ ] Profuse

Sediment Odors [X] Normal [ ] Sewage [ ] Petroleum [ ] Chemical [ ] Anaerobic [ ] Other (Specify) :

Smothering of Substrates

	None	Slight	Moderate	Severe
Sand Smothering:	[ ]	[ ]	[X]	[ ]
Silt Smothering:	[ ]	[ ]	[X]	[ ]
Algae Smothering:	[X]	[ ]	[ ]	[ ]

SUBSTRATE TYPE

Assessment Tool: [X] SCI [X] RPS [X] LVS [ ] LCI [ ] BioRecon

	% Coverage	INVERT # Times Sampled	PERI # Times Sampled
Woody Debris (Snags)	9.87	5	
Undercut Banks / Roots	2.12	5	
Leaf Packs or Mat	2.68	5	
Aquatic Vegetation	0	0	
Rock or Shell Rubble..	0	0	
Sand.....		5	
Mud / Muck / Silt	0	0	
Other	0	0	
Other	0	0	

WATER QUALITY

	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)
Top :	0.3	19.62	7.34	7.15	78.2	524	.25	
Mid:								[X] VOB
Bottom								SITE DEPTH

Meter ID: Biology #2 — SITE DEPTH: 0.4

Water Odors Normal [X] Petroleum [ ] Sewage [ ] Chemical [ ] Other [ ]

Water Surface Oils Normal [X] Sheen [ ] Globs [ ] Slick [ ] Other [ ]

Water Sample Taken? [X] Yes [ ] No
Sample Preserved? [X] Yes [ ] No
Lot Number: 5259020 Exp: 9/16/16

Color Tannic [X] Green (Algae) [ ] Clear [ ] Other (Specify) [ ]

Algae Sample Taken? [ ] Yes [X] No
Sample Preserved? [ ] Yes [ ] No
Lot Number: _____ Exp: _____

Clarity Clear [X] Slightly Turbid [ ] Turbid [ ] Opaque [ ]

ABUNDANCE

	Absent	Rare	Common	Abundant
Periphyton:	[X]	[ ]	[ ]	[ ]
Fish:	[ ]	[X]	[ ]	[ ]
Aquatic Plants:	[X]	[ ]	[ ]	[ ]
Iron/Sulfur Bacteria:	[ ]	[X]	[ ]	[ ]

System Type: Stream [X] Lake [ ] Wetland [ ] Estuary [ ] Other(Specify) [ ] _____

WEATHER CONDITIONS / NOTES: 76111

[X] The antecedent hydrologic conditions have been met to my best knowledge.

SAMPLING TEAM Ben Raly's SIGNATURE : [signature] DATE : 5/12/16

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

GWA0003

Waterbody: Big Cypress Branch | Date: 5/12/16 | County: Liberty | Storet Number: ~~5 Hodge 2~~ C2

Analyst: Ben Ralls | Signature:

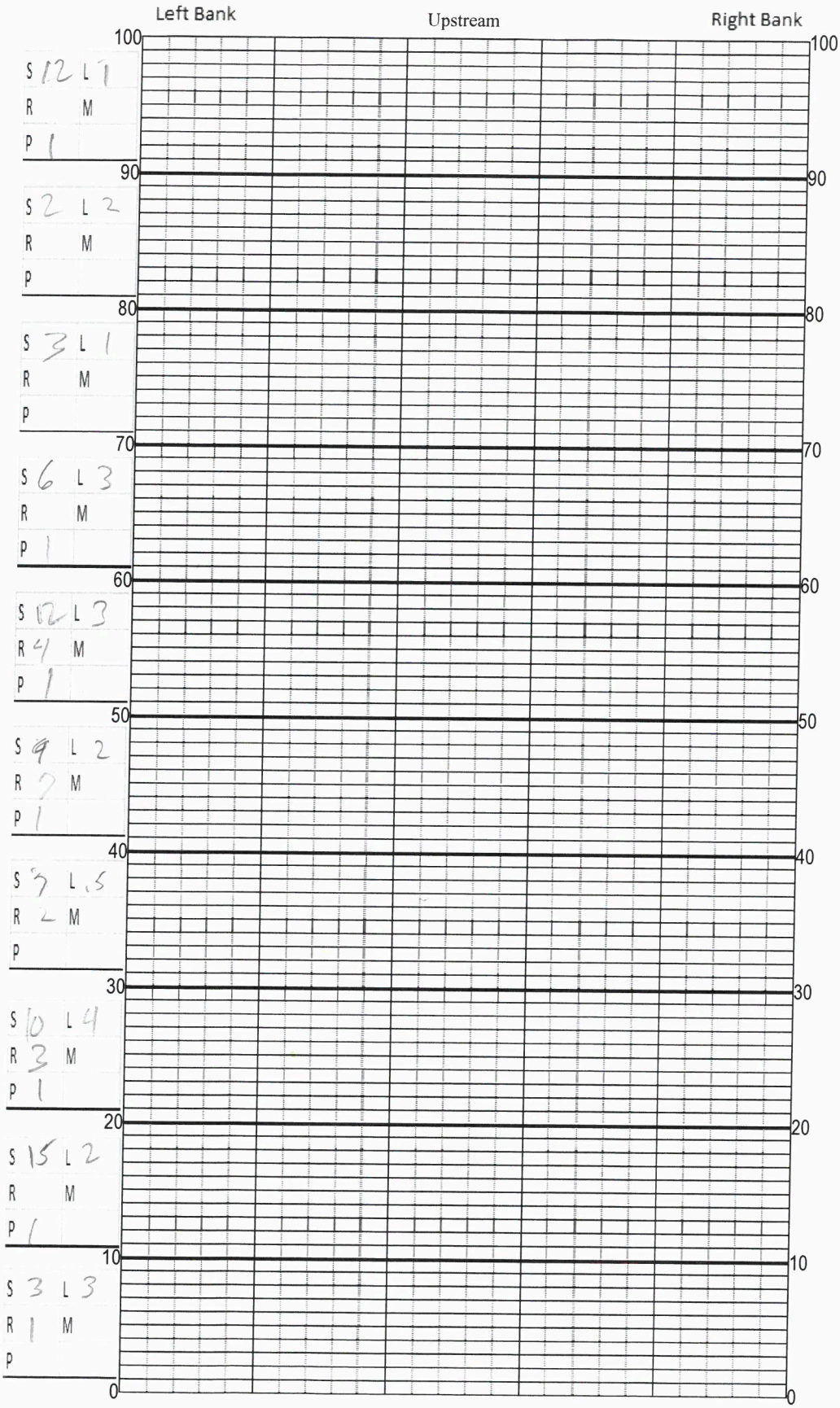
Comments: NO Macrophytes

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 0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Alternanthera philoxeroides											
Bacopa caroliniana											
Bacopa monneri											
Bidens mitis											
Boehmeria cylindrica											
Centella asiatica											
Ceratophyllum demersum											
Chara											
Cicuta maculata											
Cladium jamaicense											
Colocasia esculenta											
Commelina diffusa											
Commelina virginica											
Crinum americanum											
Diodia virginiana											
Eichhornia crassipes											
Eleocharis (wispy viviparous)											
Hydrilla verticillata											
Hydrocotle											
Hygrophila polysperma											
Hymenocallis											
Lachnanthes caroliniana											
Landoltia punctata											
Lemna											
Limnophila sessiflora											
Ludwigia leptocarpa											
Ludwigia palustris											
Ludwigia peruviana											
Ludwigia repens											
Luziola fluitans											
Micranthemum glomeratum											
Micranthemum umbrosum											
Mikania scandens											
Myriophyllum aquaticum											
Myriophyllum heterophyllum											
If no Dominant or Co-Dominant were selected, indicate with "X"											
Indicate % cover macrophytes per section											
0-5% Macrophyte Coverage											
>5 and ≤10% Macrophyte Coverage											
>10 and ≤25% Macrophyte Coverage											
>25 and ≤50% Macrophyte Coverage											
> 50% Macrophyte Coverage											

HERBACEOUS SPECIES	Meter Mark 0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Najas guadelupensis											
Nuphar luteum											
Orontium aquaticum											
Panicum hemitomon											
Panicum repens											
Panicum rigidulum											
Pistia stratioides											
Polygonum glabra											
Polygonum hydropiperoides											
Polygonum hydropiperoides											
Polygonum punctatum											
Pontedaria cordata											
Potamogeton illinoensis											
Rhynchospora inundata											
Rosa palustris											
Ruellia simplex											
Rumex verticillatus											
Sacciolepis striata											
Sagittaria kurziana											
Sagittaria lancifolia											
Sagittaria latifolia											
Salvinia minima											
Samolus parviflora											
Saururus cernuus											
Scirpus (schenoplectus) californicus											
Sparganium americanum											
Typha											
Vallisneria americana											
Zizania aquatica											

DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet



↓ Smothering Notes

Location: Big Cypress Branch, 100 meters upstream of CR 67

Date: 5/12/16

Sampler: JW, BR

100 m: Latitude	
Longitude	
0 m: Latitude	
Longitude	

Substrates: Code key, draw proportionate habitat abundance. %

S	Snags	
R	Roots/undercut banks	
L	Leaf Packs (or mats)	
M	Aquatic Macrophytes	
R	Rock	
P	Pools — total # observed = ____ # range expected = ____	

Average width 2.5 m

Average depth ____ m

Velocity measured at 40 meter mark.

Velocity ____ m/s

WQ & chemistry taken at 30 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:
$2m^2$ = 16 Sweeps

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

$100 \cdot 2.5 \cdot .14 \left(\frac{100}{12 * \_\_\_ W}\right) * 1 =$

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

# of Sweeps	Conversion	m^2	%
Snag 29	÷ 8	9.82 m^2	9.87
Root 17	÷ 8	2.12 m^2	2.12
Leaf 21.5	÷ 8	2.68 m^2	2.68
Macrophyte 0	÷ 8	m^2	
Rock 0	÷ 8	m^2	
Total Available Habitat		m^2	14.67
Total Area		100 m^2	100
Total Unavailable Habitat		m^2	85.33

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

SAMPLING AGENCY: Florida Department of Environmental Protection		STORET STATION NUMBER: GIWA0003	DATE (MM/DD/YY): 5/12/2016	RECEIVING BODY OF WATER: Telogia Creek
REMARKS:	COUNTY: Liberty	LOCATION: Big Cypress Branch		FIELD ID/NAME:

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components (Snag, Roots, Leaf, Rock, Aquatic Vegtation) **Substrate Diversity** 14	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 (14) 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 12 _____%	Greater than 30% major productive habitat present at site (100% 83% 66% 48% 30.5%) 20 19 18 17 16	16% to 30% major productive habitat, by aerial extent (30.4% 27% 23% 20% 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 9 .09 m/s	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec ≥0.33 0.31 0.29 0.27 >0.25 20 19 18 17 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 13 Primary Score 48	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 11	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** 20	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 5 Left Bank 5 If Bakns are PipeClay, BedRock or Concrete at Bank full: Optimal	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankful 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 9 Left Bank 10	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 9 Left Bank 9 Secondary Score 67	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

115 **TOTAL SCORE**

Date: 5/12/16	Analyst: Ben Rabys	Signature:

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Big Cypress Branch | County: Liberty | Date: 5/12/16 | Investigators: Justin W Ben R.

STORET Station Number: ~~GIWA0031~~ GIWA0003

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N		
	2	N		
	3	N		
	4	N		96
	5	N		
	6	N		
	7	N		
	8	N		
	9	N		
10	1	N		
	2	N		
	3	N		
	4	N		96
	5	N		
	6	N		
	7	N		
	8	N		
	9	N		
20	1	N		
	2	N		
	3	N		
	4	N		96
	5	N		
	6	N		
	7	N		
	8	N		
	9	N		
30	1	N		
	2	N		
	3	N		
	4	N		96
	5	N		
	6	N		
	7	N		
	8	N		
	9	N		
40	1	N		
	2	N		
	3	N		
	4	N		96
	5	N		
	6	N		
	7	N		
	8	N		
	9	N		
50	1	N		
	2	N		
	3	N		
	4	N		96
	5	N		
	6	N		
	7	N		
	8	N		
	9	N		
60	1	N		
	2	N		
	3	N		
	4	N		96
	5	N		
	6	N		
	7	N		
	8	N		
	9	N		
70	1	N		
	2	N		
	3	N		
	4	N		96
	5	N		
	6	N		
	7	N		
	8	N		
	9	N		
80	1	N		
	2	N		
	3	N		
	4	N		94
	5	N		
	6	N		
	7	N		
	8	N		
	9	N		
90	1	N		
	2	N		
	3	N		
	4	N		96
	5	N		
	6	N		
	7	N		
	8	N		
	9	N		
100	1	N		
	2	N		
	3	N		
	4	N		96
	5	N		
	6	N		
	7	N		
	8	N		
	9	N		

Secchi depth	1.0B
Estimated?	NO

# points ranked 4-6	0
total points assessed	99
% points ranked 4-6	0

Check accompanying data collected at same site/date.	
Algal mat sample	
Linear Veg Survey	X
Habitat Assessment	X
SCI/Biorecon	X
Water sample	X

RQ- 2016-04-11-34

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

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%.

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: Biology #2 RQ-: 2016-04-11-34 Project: SMP

Notes: (1) Numbers ≤4, are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
(2) Always wait for meter to stabilize before recording any readings.
(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 03/04/2016

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 Rakys	5/12/16	8:24	23.08	8.57	8.57	100.0	51.2	-	P	Lab
ICV	Ben Rakys	5/12/16	8:18	23.08	8.57	8.56	100.0	51.2	-	P	Lab
CCV	Justin Wallace	5/12/16	4:05	25.1	8.24	8.13	98.6	51.2	-	P	Lab
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.
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 Rakys	5/12/16	8:22	160330D	4/2017	1000	1,000	P	Lab
ICV	Ben Rakys	5/12/16	8:22	160330D	4/2017	1,000	1,001	P	Lab
CCV	Justin Wallace	5/12/16	4:06	49882	7/15/2016	101	99	P	Lab
CCV									

Report specific conductance as a whole number with no decimal figure. 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 Rakys	5/12/16	8:25	153035	7/2017	7.0	7.00	-11.2	P	Lab
Calibr.	Ben Rakys	5/12/16	8:27	154634	7/2017	4.0	4.00	165.0	P	Lab
Calibr.	Ben Rakys	5/12/16				10.0				
ICV	Ben Rakys	5/12/16	8:28	154634	7/2017	4.0	4.0	165.1	P	Lab
CCV	Justin Wallace	5/14/16	4:08	160330C	10/2017	10	9.99	-187.1	P	Lab
CCV										

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50; mV pH 4 Range +180±50;
mV pH 10 Range -180±50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly) Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria ±5 % or ±0.05m, whichever is greater

Request Number: RQ-2016-04-11-34

Big Cypress Branch, Coon Creek and Soapstone Branch

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Nov 10, 2015

Customer: WQAP

Project ID: SMP

Requester: Benjamin Ralys

Collected By: Justin Wallheiser, Ben Ralys

Field Report Prepared By: Ben Ralys

Sampling Agency: FDEP

Location: Coon Creek 100 meters upstream of CR 69
Field ID: G2WA0005
STORET #: G2WA0005
Latitude: 30.3929 ☒ dd ☐ dms
Longitude: -85.0625 ☒ dd ☐ dms

☐ Comp ☒ Grab
Collection (comp begin or grab) Date 5/12/16 Time 11:15 am (Eastern / Central)
Composite end Date — Time
Matrix (type, e.g., Salt, Fresh, etc): Fresh
Diss. Oxygen: 6.47 ☒ mg/L ☐ % sat
Total Res. Chlorine (mg/L): —
Temp (C): 29.23
pH: 5.33
Sample Depth: 0.3 ☐ ft ☒ m
Sp. Conductance (umho/cm): 35
Salinity (ppt): .01
Comments:
Bottle Group(s) (See pg 2): A, C

Location: Big Cypress Branch 100 meters upstream of CR 67
Field ID: G1WA0031
STORET #: G1WA0031 0003
Latitude: ☒ dd ☐ dms
Longitude: ☒ dd ☐ dms

☐ Comp ☒ Grab
Collection (comp begin or grab) Date 5/12/16 Time 2:05 pm (Eastern / Central)
Composite end Date — Time
Matrix (type, e.g., Salt, Fresh, etc): Fresh
Diss. Oxygen: 2.15 ☒ mg/L ☐ % sat
Total Res. Chlorine (mg/L): —
Temp (C): 19.62
pH: 7.34
Sample Depth: 0.3 ☐ ft ☒ m
Sp. Conductance (umho/cm): 524
Salinity (ppt): .25
Comments:
Bottle Group(s): A, B, C

Location: Soapstone Branch 100 meters upstream of SR 375
Field ID: G1WA0012
STORET #: G1WA0012
Latitude: 30.38625 ☒ dd ☐ dms
Longitude: -84.6355 ☒ dd ☐ dms

☐ Comp ☒ Grab
Collection (comp begin or grab) Date 5/12/16 Time (Eastern / Central)
Composite end Date — Time
Matrix (type, e.g., Salt, Fresh, etc): Fresh
Diss. Oxygen: ☒ mg/L ☐ % sat
Total Res. Chlorine (mg/L): —
Temp (C):
pH:
Sample Depth: 0.3 ☐ ft ☒ m
Sp. Conductance (umho/cm):
Salinity (ppt):
Comments: Did not sample due to low water conditions
Bottle Group(s): A

Location:
Field ID:
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	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
Ben Ralys	5/12/16	hand Delivered					SK	5-12-16/3:39

Cooler Packing Worksheet for Request: RQ-2016-04-11-34
Big Cypress Branch, Coon Creek and Soapstone Branch
Ship Cooler On: 3/28/2016
Customer/Project: WQAP/SMP

Requester: Benjamin Ralys
Priority: 3

850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400

Attn: Benjamin Ralys

Comments:
No preservatives needed.

Requested Analyses:

Bottle Group: A

# of Sites: 3

Container ID: P-1L **Qty: 3** **Preservation: ICE** **Lot #** 00064196
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-NO2	Nitrite in aqueous matrices as mg N/L
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: P-1L **Qty: 3** **Preservation: ICE** **Lot #** 00064196
Description: Plastic Bottle 1L

Analysis	Description
BOD-UNIN	BOD, NOT nitrogen-inhibited

Container ID: BP-1L **Qty: 3** **Preservation: ICE** **Lot #** 115898
Description: Brown Plastic Bottle 1L

Analysis	Description

CHLSUITE-W Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-500ML **Qty: 3** **Preservation: ICE And H2SO4** **Lot #** 00063982

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: 3** **Preservation: ICE-FLTR** **Lot #** 00064520

Description: Plastic Bottle 125 mL

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

Bottle Group: B # of Sites: 1

Container ID: PJ-2L **Qty: 2** **Preservation: Formalin** **Lot #** BIOWASH

Description: Plastic Jar 2 L

Analysis	Description
MI-FW-QLDC	No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Bottle Group: C # of Sites: 2

Container ID: PT-50ML **Qty: 2** **Preservation: ICE** **Lot #** 430897

Description: Plastic Tube 50 mL

Analysis	Description
ALGAL_ID	Qualitative assessment of algal taxa present without counts

Cooler Packed By: CV Date: 3/30/16

DEP Cooler ID #(s): 2 coolers

Kit must also include:

- ✓ Field Sheets
- ✓ Temperature Control Bottle (1 per cooler)
- ✓ FedEx Bills, if applicable (1 per cooler)
- ✓ Plastic Bags
- ✓ Zip Ties

If Preservation Included:

N/A

ID	Lot #
ID	Lot #
ID	Lot #
ID	Lot #
ID	Lot #

PLEASE RETURN ALL COOLERS FOR RQ-2016-04-11-34