FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

Data Qualified? Yes / (No)

Location/STORET Station Name: Black Creek upstream of Bloxham Cutoff **Date:** 4/19/2017 (mm/dd/yyyy)

STORET # G1WA0023 **WBID:** 1054 **Latitude:** 30.27792 (Decimal Degrees)

County: Wakulla **RQ -** 2017-04-17-20 **ORG ID:** 21FLWQA **Longitude:** -84.3858 (Decimal Degrees)

Receiving Body of Water: Wakulla River **Field ID:** G1WA0023_04192017

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys		X			
Diana Turner	X	X	X	X	X
Robert Wiwi		X			

Sampling Equipment

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

Equipment ID

Collection Method

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

Via Boat
- [ ] Canoe/Kayak
- [ ] 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	9:45AM	0.2	0.4	7.13	77.6	4.40	0.02	0.2	42	19.48
CEN										

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

SBIO ID Numbers: SBIO-ID: 77534 RPS-ID: 8663 Macrophyte-ID: LIMS#: 1890326

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 [X] H_2SO_4	6302030	10/28/17	[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			
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			
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			

Contains 1:1 Sulfuric Acid SA–6302030 EXP: 10/28/17 Warning! See SDS

rvative Sticker(s) Here (If Available)

Notes: 1-Kit A, SCI, RPS/LVS

Field ID → Black Creek upstream of Bloxham Cu off April 19, 2017

G1WA0023_04192017

Black Creek upstream of Bloxham Cutoff

STORET ↓

G1WA0023

Signature: [signature] **Date:** 4/19/17

Field Parameters Entered into LIMS: DT 4/20/17 (Initials/Date) **Field Parameters QC in LIMS:** (Initials/Date)

Date Migrated to STORET: (Initials/Date) **Field Sheets Scanned/Saved:** DT 4/20/17 (Initials/Date)

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

SAMPLING AGENCY: Florida Department of Environmental Protection		STORET STATION NUMBER: G1WA0023	DATE (MM/DD/YY): 4/19/2017	RECEIVING BODY OF WATER: Wakulla River
REMARKS:	COUNTY: Wakulla	LOCATION: Black Creek upstream of Bloxham Cutoff		FIELD ID/NAME: G1WA0023_04192017

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components (Snag, Leaf, Roots, Rock, Aquatic Vegtation) **Substrate Diversity** 9	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 _____% (>30% 27.2% 25.8% 24.4% 26.6%) (21.6% 20.2% 18.8% 17.4% 16%) (15% 13% 11% 9% 6%)	Major productive habitat present at site 20 19 18 17 16	Major productive habitat, by aerial extent 15 14 13 12 11	6% to 15% major productive habitat 10 9 8 7 6	Less than 5% major productive habitat 5 4 3 2 1
Water Velocity 20 0.33 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 12 Primary Score 53	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 10 Left Bank 10 If Banks 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 10 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 10 Left Bank 10 Secondary Score 60	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

133 **TOTAL SCORE**

Date: 4/19/17	Analyst: Ben Rabys	Signature: Ben Rabys

DEP Form FD 9000-3 Physical/Chemical Characterization Field Sheet

SAMPLE ID G1WA0023_04192017 ORG ID 21FLWQA LATITUDE 30.27792
COUNTY Wakulla STORET # G1WA0023 LONGITUDE -84.3858
DATE 4/19/2017 TIME _____ SAMPLING AGENCY FDEP - DEAR
SITE NAME Black Creek upstream of Bloxham Cutoff
FIELD ID/NAME G1WA0023_04192017 RECEIVING BODY OF WATER Wakulla 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)
69.4	25.3	0.1	–	4.3	0.1	0.7	0.1

Landscape Development Intensity Index (LDI): 1.35

Local Watershed Erosion (select one) : ☐ None ☒ Slight ☐ Moderate ☐ Heavy

Local Watershed NPS Pollution : ☒ No evidence ☐ Slight ☐ Moderate ☐ Heavy

Width of Riparian Vegetation (m) on Each Buffer Side
Left Bank : >18m Right Bank : >18m

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

High Water Mark: 0.6 (m) + 0.6 (above present water level) = 1.2 (present depth) (above bed)

Artificially Impounded ☐ Yes ☒ No

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

3 m wide

m/s	0.1 m/s	m/s
m deep	0.4 m deep	m deep

Artificially Channelized : ☒ No ☐ Some recovery ☐ Mostly recovered, more sinuous ☐ Recent, severe

Canopy Cover % ☐ Open ☐ Lightly Shaded (11-45%) ☒ Heavily Shaded ☐ Moderate Shaded (46-80%)

SEDIMENT / SUBSTRATE

Sediment Oils ☒ Absent ☐ Slight ☐ Moderate ☐ Profuse

Sediment Odors ☐ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☒ Other (Specify) : sulfur

Smothering of Substrates

	None	Slight	Moderate	Severe
Sand Smothering:	☐	☐	☒	☐
Silt Smothering:	☐	☒	☐	☐
Algae Smothering:	☒	☐	☐	☐

SUBSTRATE TYPE

Assessment Tool: ☒ SCI ☒ RPS ☒ LVS ☐ LCI ☐ BioRecon

	% Coverage	INVERT # Times Sampled	PERI # Times Sampled
Woody Debris (Snags)	5.93		
Undercut Banks / Roots	8.43		
Leaf Packs or Mat	.71		
Aquatic Vegetation	.2		
Rock or Shell Rubble..	–		
Sand.....			
Mud / Muck / Silt			
Other			
Other			

WATER QUALITY

	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)
Top :	0.2	19.48	4.40	7.13	77.6	42	0.02	0.2
Mid:								☐ VOB
Bottom								TOTAL DEPTH

Meter ID: Biology #2 — TOTAL DEPTH: 0.4

Water Odors Normal ☐ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☒ sulfur

Water Surface Oils Normal ☒ Sheen ☐ Globs ☐ Slick ☐ Other ☐

Water Sample Taken? ☒ Yes ☐ No
Sample Preserved? ☒ Yes ☐ No
Lot Number: _____ Exp: _____

Color Tannic ☒ Green (Algae) ☐ Clear ☐ Other (Specify) ☐

Algae Sample Taken? ☐ Yes ☒ No
Sample Preserved? ☐ Yes ☐ No
Lot Number: NA Exp: NA

Clarity Clear ☒ Slightly Turbid ☐ Turbid ☐ Opaque ☐

ABUNDANCE

	Not Obs.	Rare	Common	Abundant
Periphyton:	☒	☐	☐	☐
Fish:	☒	☐	☐	☐
Aquatic Plants:	☐	☒	☐	☐
Iron/Sulfur Bacteria:	☒	☐	☐	☐

System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other(Specify) ☐ _____

AMBIENT FIELD CONDITIONS / NOTES:

☐ The antecedent hydrologic conditions have been met to my best knowledge.

SAMPLING TEAM Robert Mini, Diana Turner, Ben Rakes

SIGNATURE : Ben Rakes

DATE : 4/19/17

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Black Creek upstream of Bloxham Cutoff | County: Wakulla | Date: 4/19/2017 | Investigators: Ben Ralys, Diana Turner, Robert Wiwi

STORET Station Number: G1WA0023

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			
10	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			
20	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			
30	1	N	N	
	2			
	3			
	4			
	5			90
	6			
	7			
	8			
	9			
40	1	N	N	
	2			
	3			
	4			
	5			90
	6			
	7			
	8			
	9			
50	1	N	N	
	2			
	3			
	4			
	5			92
	6			
	7			
	8			
	9			

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
60	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			
70	1	X	X	
	2			
	3			
	4			
	5			88
	6			
	7			
	8			
	9			
80	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			
90	1	N	N	
	2			
	3			
	4			
	5			93
	6			
	7			
	8			
	9			
100	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9		N	

Secchi depth	0.2m
Estimated?	N

# points ranked 4-6	0
total points assessed	81
% 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- 2017-04-17-20	

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

SBIO: 77534
RPS 8663
LIMS 1890326

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

Waterbody: Black Creek upstream of Bloxham Cutoff	Date: 4/19/2017	County: Wakulla	Storet Number: G1WA0023
Analyst: Ben Ralys, Diana Turner, Robert Wiwi		Signature:	

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 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											
If no Dominant or Co-Dominant were selected, indicate with "X"											

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)
Myriophyllum heterophyllum											
Najas guadelupensis											
Nuphar luteum											
Orontium aquaticum					X			X	X		
Panicum hemitomon											
Panicum repens											
Panicum rigidulum											
Peltandra virginica											
Pistia stratioides											
Polygonum glabra											
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											

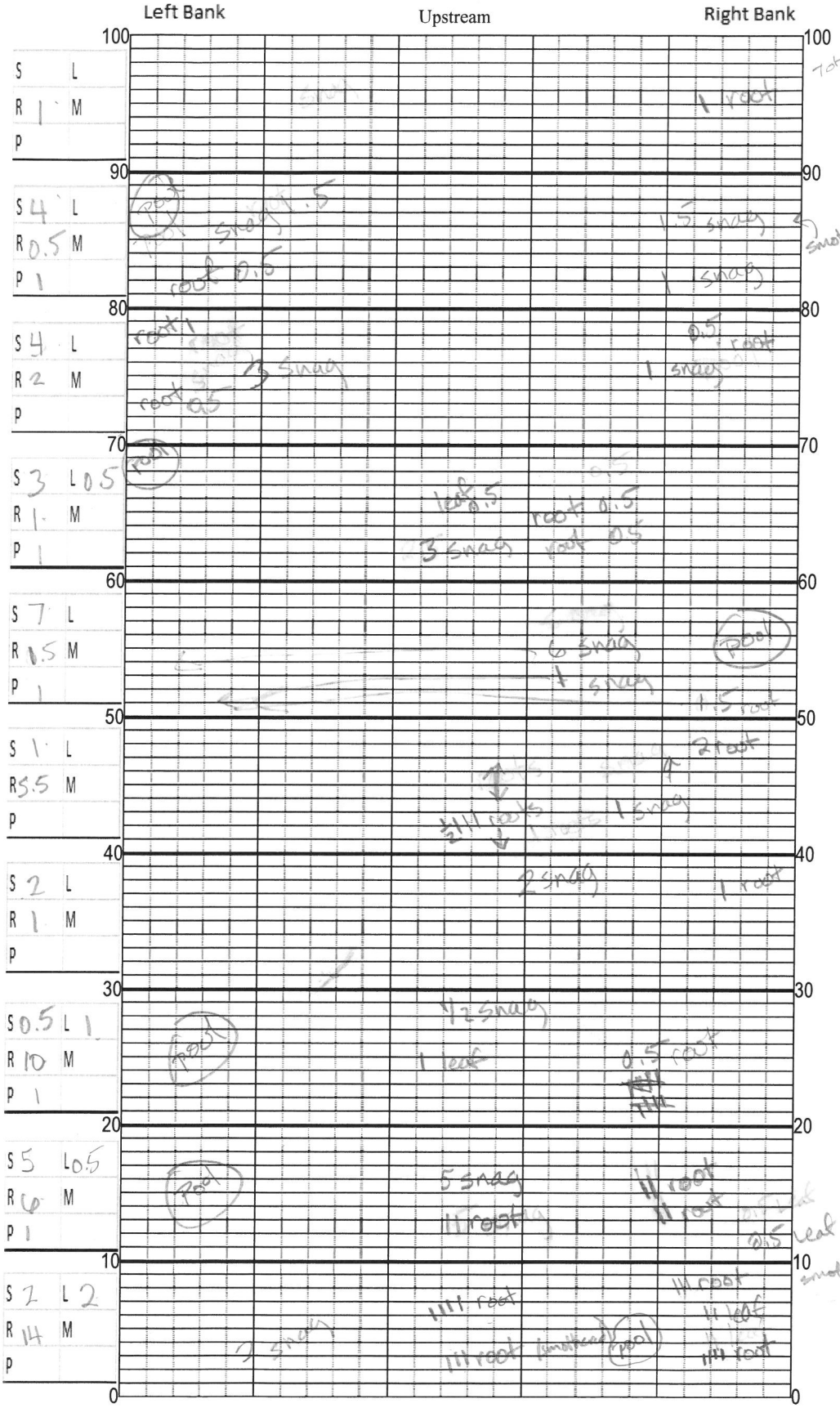
Indicate % cover macrophytes per section											
0-5% Macrophyte Coverage											
>5 and ≤10% Macrophyte Coverage											
>10 and ≤25% Macrophyte Coverage											
>25 and ≤50% Macrophyte Coverage											
> 50% Macrophyte Coverage											

Notes:

X < 2m2

STORET #: G1WA0023

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



Location: Black Creek upstream of Bloxham Cutoff

Date: 4/19/17

Sampler: Ben Rulys, Diana Turner, Robert Wini

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	2 sweeps total stretch
Rc	Rock	
P	Pools	total # observed = ____ # range expected = ____

Average width _____ m

Average depth _____ m

Velocity measured at 10 meter mark.

Velocity 0.33 m/s

WQ & chemistry taken at _____ 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

60 m^2 tot area

Meter Mark	Depth (m)	Width (m)	Velocity Measurement (Sec)
100	0.2	3	
10			3.5 | 3 | 2.5
10			
Avg.			

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

Expected Number of Pools

$\left(\frac{100}{12 * \_\_\_\_W}\right) * 1 =$

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

# of Sweeps	Conversion	m^2	%
Snag 28.5	÷8	3.56 m^2	5.93
Root 40.5	÷8	5.06 m^2	8.43
Leaf 3.5	÷8	.43 m^2	.71
Macrophyte 1	÷8	.12 m^2	.2
Rock	÷8	~ m^2	~
Total Available Habitat		9.17 m^2	15.27
Total Area		60 m^2	
Total Unavailable Habitat		m^2	

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

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

Meter: Biology 2 | RQ-: 2017-04-17-20 | 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 03/06/2017

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.	Robert Wini	4/14/17	7:02	22.38	8.677	8.68	100.0	42.0	—	P	L
ICV	Robert Wini	↓	7:03	22.34	8.677	8.68	100.0	42.0	—	P	L
CCV	↓	↓	13:19	23.03	8.578	8.68	101.2	42.0	—	P	L
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.	Robert Wini	4/14/17	7:04	161111D	11/17	1000	1000	P	L
ICV	Robert Wini	↓	7:05	161111D	11/17	1000	1000	P	L
CCV	↓	↓	13:21	170310E	3/18	100	102	P	L
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.	Robert Wini	4/14/17	7:06	161113	5/18	7.0	7.00	-19.6	P	L
Calibr.	↓	↓	7:08	161111A	11/17	4.0	4.00	159.0	P	L
Calibr.	↓	↓	7:10	161111C	5/18	10.0	9.95	-182.5	P	L
ICV	↓	↓	7:13	161111A	11/17	4.0	3.94	159.9	P	L
CCV	↓	↓	13:22	161111C	5/18	10.0	9.89	-174.3	P	L
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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-04-17-20
SMP
Customer: WQ-ASSESS
Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Raleys, Robert Wilson, Diana Turner

Field Report Prepared By: Diana Turner

Sampling Agency: FDEP

Page ___ of ___

Location

Field ID → Black Creek upstream of Bloxham Cu off
April 19, 2017
G1WA0023_04192017

Black Creek upstream of Bloxham Cutoff

STORET
G1WA0023

☐ Comp ☒ Grab	Collection (comp begin or grab) ~~Time~~ ~~Date~~ 9:45 AM ~~Date~~ ~~Time~~ 4/19/17 (Eastern / Central)
Collection (comp begin or grab) Date	Time
Matrix (Salt, Fresh): Fresh	Diss. Oxygen (mg/L): 7.13
Temp (C): 19.48	pH: 4.40
Sample Depts (m): 0.2	Sp. Conductance (umho/cm): 42
Salinity (ppt)	Comments
Latitude (Decimal Degrees): 30.27792	Longitude (Decimal Degrees): -84.3858
Bottle Group(s): A, B	

Location

Field ID → ig Branch 50 eters upstream f CR 67
April 19, 2017
G1WA0001_04192017

Big Branch 50 meters upstream of CR 67

STORET
G1WA0001

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/19/17 Time 11:40AM (Eastern / Central)
Collection (comp begin or grab) Date	Time
Matrix (Salt, Fresh): Fresh	Diss. Oxygen (mg/L): 8.41
Temp (C): 18.50	pH: 6.34
Sample Depts (m): 0.15	Sp. Conductance (umho/cm): 44
Salinity (ppt)	Comments
Latitude (Decimal Degrees): 30.3110	Longitude (Decimal Degrees): -84.7651
Bottle Group(s): A	

Location

Field ID

STORET #

☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time (Eastern / Central)
Collection (comp begin or grab) Date	Time
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)
Bottle Group(s)	

Relinquished By:	Date/Time	Number of Coolers	Received By:	Date/Time
Diana Turner	4/19/17 1:05 pm	1	AB	4-19-17 13:05

Group: A	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-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						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	ICE-FLTR	**Enter Number of Bottles Sent to Lab**	2
	W-PO4-F						
Group: B	Bottle Type:	PJ-2L	# of Bottles: 4	Preservative:	Formalin	**Enter Number of Bottles Sent to Lab**	2
	MI-FW-QLDC						