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 DEPH 149754 QUANTA #1 RQ- 08-22-14 Project SCI-Interlaboratory

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 10/1/2016

DEP SOP FT 1000	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.	P O'Connor	08/24/16	0725	23.5	8.49	8.45	100.0	—	—	Pass	LAB
ICV	↓	↓	0735	23.6	8.48	8.45	100.1	—	—	Pass	LAB
CCV	AKalmbacher	8/24/16	1600	25.5	8.18	8.08	100.2	—	—	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.	POConnor	08/24/16	0736	160616A	06/2017	1000	1000	Pass	LAB
ICV	↓	↓	0738	151113A	11/2016	100	100	Pass	LAB
CCV	AKalmbacher	↓	1603	160616A	06/2017	1000	996	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 5%

DEP SOP FT 1000	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	POConnor	08/24/16	0740	2606E04	06/2018	7.0	7.00	—	Pass	LAB
Calibr. ICV	↓	↓	0803 0749	2602556	01/2018	4.0	3.85	—	Pass	LAB
~~Calibr. End ICV~~	↓	↓	0750	2510A88	04/2017	10.0	10.00	—	Pass	LAB
~~ICV~~ CCV	AKalmbacher	8/24/16	1607	2606E04	06/2018	7.0	7.01	—	P	L
CCV										
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 N/A

Depth Sensor (Daily)	Name		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

Scanned 9/8/16

ITAL PROTECTION
I FIELD SHEET

PAGE ____ OF ____

Data Qualified? Yes / No

Ichetucknee at US27

G1NE0531

21030050

STORET Station Name: Date Time

Date: 8/24/2016 (mm/dd/yyyy)

STORET Station ID: ___

Latitude: 29.95344 (Decimal Degrees)

WBID: 3579 RQ -2016-08-22-14 & 2016-08-22-13(v.itA) (SCI macros) ORG ID: 21 FLA

Longitude: 82.785667 (Decimal Degrees)

Receiving Body of Water: Santa Fe River Field ID: G1NE0531 County: Columbia.

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Skarish		✓	✓	✓	✓
POConnor	✓	✓	✓		✓

Sampling Equipment

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

Equipment ID ____

Collection Method

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

Via Boat

- [x] Canoe/Kayak
- [ ] Electric
- [ ] Motor

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

Matrix: (Fresh) / Marine / DI

Meter ID# Hydrolab

Photos: Yes / (No)

Tide Falling: Yes / No / ~~N~~

Time Zon	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)	1030	0.3	0.4	5.0	57.0	5.9	0.1	~~0.45~~ 0.45	331	22.1
CEN										

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

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH
Preserved Nutrients	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	157449	12/19/16	[x] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_2			[ ] <2
Filtered Nutrients	[x] W-PO4-F [ ] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
BOD	[ ] BOD-UNIN	[ ] Ice			
Physical/Aggregate (Kit A)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Kit B)	[ ] Alkalinity / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[x] MI-FW-QLDC	[x] Formalin			
Microbiology	[ ] E Coli [ ] F Coli [ ] Entero [ ] QPCR	[ ] Ice			
Periphyton	[x] ALGAE-ID	[x] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-AHERB-AA [ ] W-PYR-AA-R [ ] W-PC-AA-SF [ ] W-UHERB-AA [ ] W-GLYPH	[ ] Ice [ ] Other			

Place Preservative Sticker(s) Here (If Available)

Notes: SCI, RPS, LVS

Ichetucknee at US27

G1NE0531

Date Time

21030050

Signature: [signature] Date: 8/24/16

Field Parameters Entered into LIMS: [initials] 8/26/16 (Initials/Date)

Field Parameters QC in LIMS: [initials] 8/29 (Initials/Date)

Date Migrated to STORET: ____ (Initials/Date)

Field Sheets Scanned/Saved: ____ (Initials/Date)

SWD#76744

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

SAMPLING AGENCY:	STORET STATION NUMBER:	DATE (MM/DD/YY):	RECEIVING BODY OF WATER:
DEAR NED ROC	21030050	08/24/16	Santa Fe River
REMARKS: Itchetucknee Rivers A Spring Run / COUNTY: Columbia	LOCATION: Itch. R @ US27		FIELD ID/NAME: GINE0531

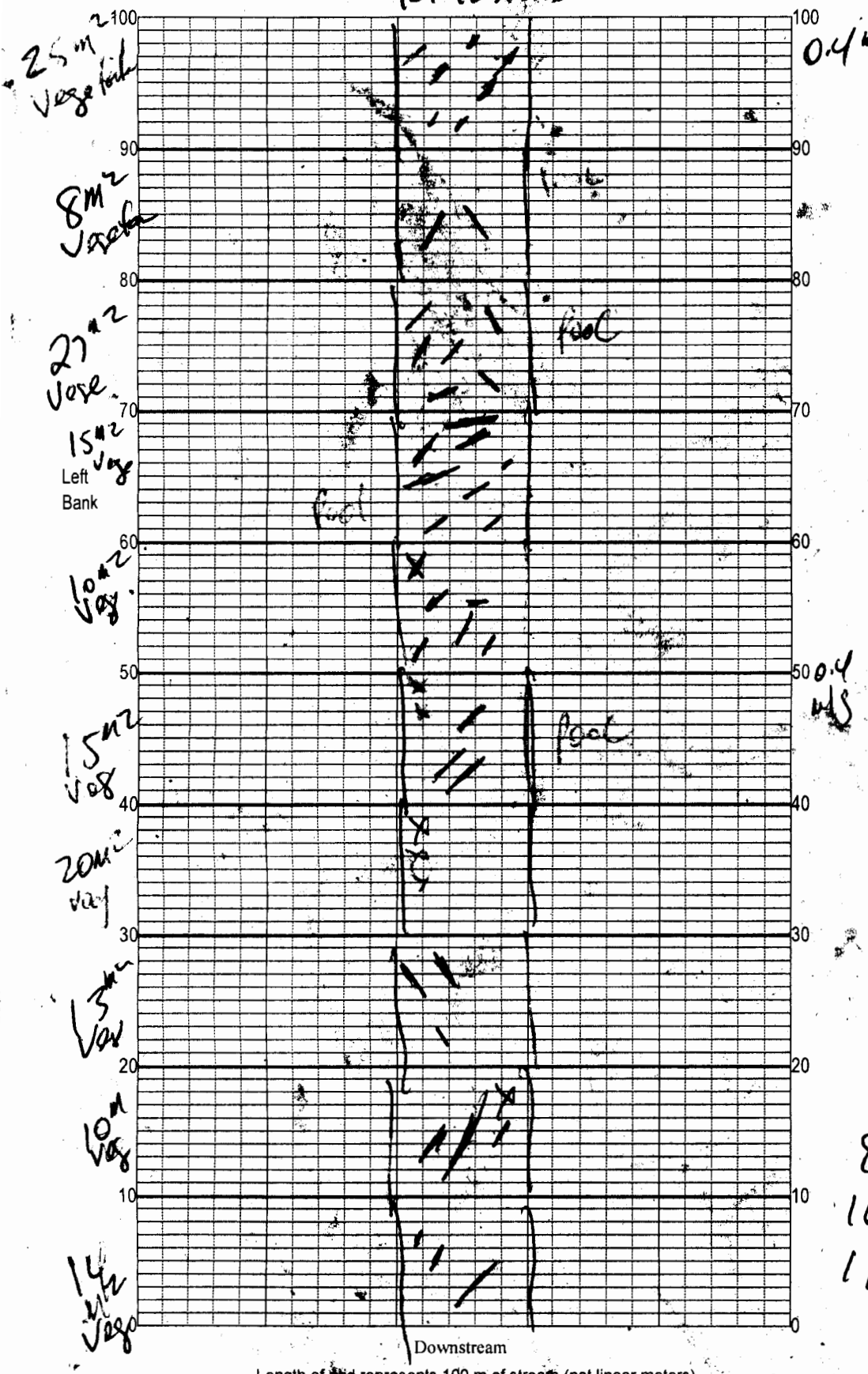
Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 13	Four or more major productive habitats present [snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock] 20 19 18 17 16	Three major productive habitats present. Adequate habitat. 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 14	Greater than 30% major productive habitat present at site 20 19 18 17 16	16% to 30% 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	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 60	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	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	Width of vegetation 6 to 12 m. human activities close to system 5 4	Less than 6 m of buffer zone due to intensive human activities 3 2 1
Riparian Zone Vegetation Quality Right Bank 10 Left Bank 10 Secondary Score 80	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

140 **TOTAL SCORE**

Date: 08/24/16	Analyst: Patrick O'Connor	Signature:

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

10+12 m wD



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

Location: Itchetucknee US27

Date: 08/29/16

Sampler: P. Odom

100 m: Latitude	
Longitude	
0 m: Latitude	
Longitude	

Substrates: Code key, draw proportionate habitat abundance. %

/	Snags	
X	Roots/undercut banks	
O	Leaf Packs (or mats)	
V	Aquatic Macrophytes	
□	Rock	
	Pools	total # observed =
		# range expected =

Average width 10 m

Average depth 1.5 m

Velocity measured at 100/50 meter mark.

WQ & chemistry taken at 0 ~~100~~ 50 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.

Plants observed / other notes:

8% SNAG

16% Veg

1% Root

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

SBIOH 26744

SAMPLE ID ____ ORG ID 21 FLA LATITUDE ____

COUNTY Columbia STORET # 21030050 LONGITUDE ____

DATE 08/24/16 TIME 1030 SAMPLING AGENCY NE ROC DEAR

SITE NAME Ich. River @ US27

FIELD ID/NAME GI NE0531 RECEIVING BODY OF WATER Santa Fe River

Meter ID: Quanta #1 DEP# 143734

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)
							St. Park 100%

Landscape Development Intensity Index (LDI)

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)

High Water Mark: 0.7 (m) + ~~2.2~~ 1.5 (present depth) = 2.2 (above bed)

Artificially Impounded ☐ Yes ☒ No

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

10-12 m wide

	m/s	0.4	m/s		m/s
	m deep	1.5	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):

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)	8	5	
Undercut Banks / Roots	1	5	
Leaf Packs or Mat	Hyd.		
Aquatic Vegetation	16	5	
Rock or Shell Rubble	—		
Sand	5	4	
Mud / Muck / Silt	70	1	
Other			
Other			

WATER QUALITY

	Depth (M)	Temp (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)
Top:							
Mid:	0.3	22.1	5.9	5.0	57.0	331	0.1
Bottom							

SECCHI (M) 1.5 ~~0.45~~

TOTAL DEPTH 1.5

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

Water Odors Normal ☑ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐

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

Water Sample Taken? ☑ Yes ☐ No

Sample Preserved? ☑ Yes ☐ No

Lot Number: 157449 Exp: 12-19-16

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

Algae Sample Taken? ☑ Yes ☐ No

Sample Preserved? ☐ Yes ☒ No

Lot Number: ____ Exp: ____

Clarity Clear ☒ Slightly Turbid ☐ Turbid ☐ Opaque ☐

ABUNDANCE

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

AMBIENT FIELD CONDITIONS / NOTES:

Spring Run clear skies 85%

Hydrologic Disturbance Scoring ☐ 1-2 ☐ 3-4 ☒ 5-6 ☐ 7-8 ☐ 9-10

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

SAMPLING TEAM J. Parrish, PO'Connor

SIGNATURE

Sb10 76744 RPS 8304

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Itch. River @ US 27 | County: Columbia | Date: 08/24/16 | Investigators: J. Parrish POCom

STORET Station Number: 21030050

Transect (m)	Point 1=right	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	4		
	2	4	✓	
	3	4	✓	
	4	4	✓	10
	5	6	✓	
	6	6	✓	
	7	3	✓	
	8	4	✓	
	9	3		
10	1	4		
	2	3	✓	
	3	3	✓	
	4	3	✓	
	5	3	✓	35
	6	3	✓	
	7	3	✓	
	8	3	✓	
	9	3		
20	1	4		
	2	4	✓	
	3	3	✓	
	4	3	✓	
	5	3	✓	60
	6	3	✓	
	7	3	✓	
	8	3	✓	
	9	3	✓	
30	1	3	✓	
	2	3	✓	
	3	3	✓	
	4	3	✓	
	5	3	✓	58
	6	3	✓	
	7	3	✓	
	8	3		
	9	3		
40	1	3		
	2	3		
	3	4	✓	
	4	4	✓	
	5	4	✓	90
	6	4	✓	
	7	4		
	8	3		
	9	3		
50	1	3	✓	
	2	3	✓	
	3	3	✓	
	4	3	✓	
	5	3	✓	90
	6	3	✓	
	7	3	✓	
	8	3		
	9	3		

Transect (m)	Point 1=right	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
60	1	4	✓	
	2	4	✓	
	3	4	✓	
	4	5	✓	
	5	3		60
	6	3		
	7	N3		
	8	4		
	9	4		
70	1	4		
	2	4		
	3	4		
	4	3	✓	
	5	3	✓	32
	6	3	✓	
	7	3	✓	
	8	4		
	9	4		
80	1	5		
	2	5	✓	
	3	5	✓	
	4	4	✓	
	5	4	✓	80
	6	4	✓	
	7	3		
	8	3		
	9	3		
90	1	5		
	2	5		
	3	4		
	4	4	✓	95
	5	4	✓	
	6	4	✓	
	7	4	✓	
	8	4		
	9	4		
100	1	4		
	2	4		
	3	4		
	4	3	✓	
	5	3	✓	10
	6	3	✓	
	7	3		
	8	3		
	9	3		

Secchi depth	1.55
Estimated?	

# points ranked 4-6	46
total points assessed	99
% points ranked 4-6	46

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

RQ-2016-08-22-14

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

1/4" + 3/4" + 4+

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%.

SID 76744

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

Waterbody: Ichetucknee River @ US 27 | Date: 8/24/16 | County: Columbia | Storet Number: 21030050

Analyst: JParrish | Signature: Jeremy Parrish

Comments:

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.

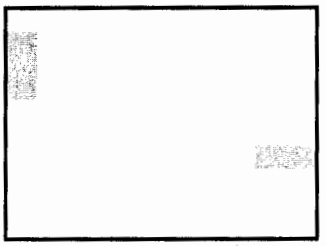
HERBACEOUS SPECIES	Meter Mark 0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Alternanthera philoxeroides											
Bacopa caroliniana											
Bacopa monneri											
Bidens mitis											
Boehmeria cylindrica	P	P	P	P	P	P	P	P	P	P	
Centella asiatica											
Ceratophyllum demersum	P	P	P	P		P				P	
Chara	D	C	C	C	C	C	C	P	P	P	
Cicuta maculata											
Cladium jamaicense											
Colocasia esculenta											
Commelina diffusa											
Commelina virginica											
Crinum americanum	P	P	P	P	P	P	P	P	P	P	
Diodia virginiana											
Eichhornia crassipes											
Eleocharis (wispy viviparous)											
Hydrilla verticillata											
Hydrocotle	P	P	P	P	P	P	P	P	P	P	
Hygrophila polysperma											
Hymenocallis											
Lachnanthes caroliniana											
Landoltia punctata											
Lemna	P	P	P	P	P	P	P	P	P	P	
Limnophila sessiflora											
Ludwigia leptocarpa											
Ludwigia palustris											
Ludwigia peruviana											
Ludwigia repens							P				
Luziola fluitans											
Bidens laevis	P	P	P	P	P	P	P	P	P	P	
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							X	X	X		
>25 and ≤50% Macrophyte Coverage	X	X	X	X	X	X				X	
> 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)
Micranthemum glomeratum											
Micranthemum umbrosum											
Myriophyllum aquaticum											
Najas guadelupensis	P	P	P	P	P	P	P	C	C	C	
Nuphar luteum											
Orontium aquaticum											
Panicum hemitomon											
Panicum repens											
Panicum rigidulum											
Pistia stratioides	P	P	P	P	P	P	P	P	P	P	
Polygonum glabra											
Polygonum hydropiperoides											
Polygonum punctatum	P	P	P	P	P	P	P	P	P	P	
Pontedaria cordata											
Potamogeton illinoensis											
Ruellia simplex											
Sacciolepis striata											
Sagittaria kurziana											
Sagittaria lancifolia											
Sagittaria latifolia											
Salvinia minima											
Samolus parviflora											
Saururus cernuus											
Sparganium americanum											
Typha											
Vallisneria americana	P	C	C	C	C	C	C	C	C	C	
Zizania aquatica											
Spirodela polyrhiza									P	P	
Rhynchospora tenuis	P	P	P	P	P	P	P	P	P	P	
Peltandra virg.	P	P	P	P							
Echinochloa sp.	P										
Itea virginica	P	P	P	P	P	P	P	P	P	P	
Habenaria repens										P	

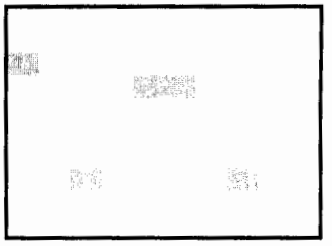
FDEP FORM FD 9000-32 LINEAR VEGETATION SURVEY FIELD SHEET

Percent Cover Categories for macrophytes in a 10 m segment of a stream 5 m wide

5% Macrophyte Coverage



5% Macrophyte Coverage



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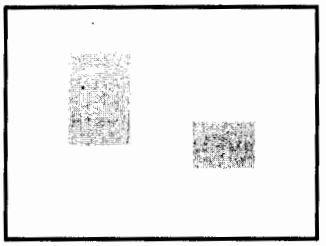

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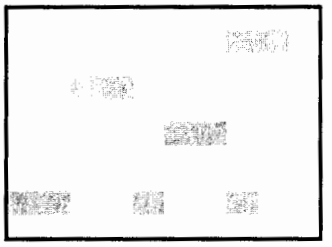

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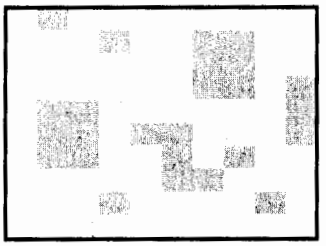

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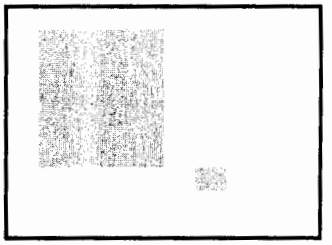

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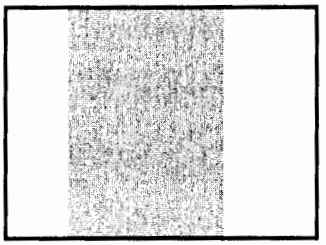

50% Macrophyte Coverage