

Field ID:



G1NE0893 04262017

DEPARTMENT OF ENVIRONMENTAL PROTECTION RING PROGRAM FIELD SHEET

January 2017

PAGE 1 OF 1

Data Qualified?

Yes / No

Cross Creek 400m
above CR 325



STORET

G1NE0893

Date: 4-26-2017

(mm/dd/yyyy)

WBID: 2754

Latitude: 29.4805-29.49011

(Decimal Degrees)

County: Alachua RQ - 2017-04-17-18

ORG ID: 21 FLA

Longitude: 82.16555

(Decimal Degrees)

Receiving Body of Water: Orange Lake

Field ID:

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
J. Parrish									☒ Sample Container	☐ Van Dorn	☐ Pole	
A. Kalmbacher									☐ Carboy	☐ Syringe		
									☐ Dipper	☐ Other		
									Equipment ID 0 rtho Kit # 2			
Collection Method												
☐ Wading									☒ Via Boat			
☐ From Shore									☒ Canoe/Kayak			
☐ Other (note below)									☐ Electric Motor			
									☐ Gasoline Motor			
Water Level: Dry / Pooled / <u>Low</u> / Normal / High / Flooded									Matrix: <u>Fresh</u> / Marine / DI			
Meter ID#									Tide Falling: Yes / No / <u>NA</u>			
Photos: Yes / No												
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	1200	0.1	0.2	5.9	71.7	7.08	0.06	0.25	129	24.8		
CEN												

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

SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#:

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 ☒ H ₂ SO ₄			☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₂			☐ <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-CL-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 ☐ Enterococcus ☐ PCR-FILTER	☐ Ice			
Tracers	☐ W-SOCC ☐ W-UHERB-AA ☒ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Other			

Contains

1:1

Sulfuric Acid

SA-6302030

EXP: 10/28/17

Warning!

See SDS

Use adhesive Sticker(s) Here (If Available)

Notes:

Place Label Here (If Available)

Signature:

Date: 4-26-2017

Field Parameters Entered into LIMS:

Field Parameters QC in LIMS:

Date Migrated to STORET:

Field Sheets Scanned/Saved:

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

SAMPLE ID 77559 ORG ID 21 FLA WB11 2154 ALTITUDE 29.4863 29.4901
 COUNTY Alachua STORET # G1NE0893 LONGITUDE 82.1051 82.16555
 DATE 4-26-2017 TIME 1200 SAMPLING AGENCY NE ROC
 SITE NAME Cross Creek 400 m above CR 325
 FIELD ID/NAME _____ RECEIVING BODY OF WATER Orange Lake

RIPARIAN ZONE / STREAM FEATURES

Meter ID: Y51 #3

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

Forest/Natural ☐ Silviculture ☐ Field/Pasture ☐ Agricultural ☐ Residential ☐ Commercial ☐ Industry ☐ Other (Specify) ☐

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) ☐

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

9-10 m wide

☐ m/s 0.1 m/s ☐ m/s

High Water Mark: 0.5 + 0.2 = 0.7
 (m) (above present water level) (present depth) (above bed)

Artificially Impounded

☐ Yes ☒ No

☐ m deep 0.2 m deep ☐ m deep

Artificially ☒ No ☐ Mostly recovered, more sinuous

Channelized: ☐ Some recovery ☐ 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

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

SUBSTRATE TYPE

Assessment Tool: ☐ SCI ☒ RPS ☒ LVS

☐ LCI ☐ BioRecon

% Coverage ☐ # Times Sampled ☐ PERI ☐ # Times Sampled

Woody Debris (Snags) ☐

Undercut Banks / Roots ☐

Leaf Packs or Mat ☐

Aquatic Vegetation ☐ 3

Rock or Shell Rubble ☐

Sand ☐

Mud (Muck) / Silt ☐ 97

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:	☐	☐	☐	☐	☐	☐	☐	<u>0.25</u>
Mid:	<u>0.1</u>	<u>24.8</u>	<u>7.08</u>	<u>5.9</u>	<u>71</u>	<u>129</u>	<u>0.06</u>	TOTAL DEPTH
Bottom:	<u>0.2</u>	☐	☐	☐	☐	☐	☐	<u>0.2</u>

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

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: 1302030 Exp: 10/28/17

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:

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 / A. Kelmbracher

SIGNATURE:

[Signature]

77959
DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Cross Creek 400 m up From CR 325 County: Date: 4-26-2017 Investigators: J. Parrish, A. Kalmbacher

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

STORET Station Number: GLE0893

Secchi depth
Estimated?

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

Check accompanying data collected at same site/date.
Algal mat sample
Linear Veg Survey
Habitat Assessment
SCI/Biorecon
Water sample
RQ-2017-04-17-18

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

77559

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

SAMPLING AGENCY: NE ROC		STORET STATION NUMBER: GLN20893	DATE (MM/DD/YY): 4-26-2017	RECEIVING BODY OF WATER: Orange Lake
REMARKS:	COUNTY: Alachua	LOCATION: Cross Creek 400m above CR325	FIELD ID/NAME:	

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components	Four or more major productive habitats present [snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock]	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags)	Two major productive habitats present. Less than desirable habitat, frequently disturbed or removed	One or less major productive habitat. Lack of habitat is obvious, substrates unstable or smothered
Substrate Diversity <u>3</u>	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 <u>3</u> 2 1
Substrate Availability <u>3</u>	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 <u>3</u> 2 1
Water Velocity <u>10</u>	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 <u>10</u> 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or space occurring: > 1 m/sec <0.05 0.04 0.03 0.01 <0.01 5 4 3 2 1
Habitat Smothering <u>3</u> Primary Score <u>19</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 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 <u>3</u> 2 1
Secondary Habitat Components Artificial Channelization <u>10</u> 4	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 <u>12</u> <u>11</u>	Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area. <u>10</u> 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 <u>3</u> 2 1
Bank Stability Right Bank <u>4</u> Left Bank <u>4</u>	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 <u>4</u>	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>9</u>	Width of vegetation greater than 18 m <u>10</u> 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 <u>3</u> 2 1
Riparian Zone Vegetation Quality Right Bank <u>5</u> Left Bank <u>5</u> Secondary Score <u>47</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 <u>7</u> 6	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious. <u>5</u> 4	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). 3 2 1

TOTAL SCORE

Date: 4-26-2017	Analyst: J. Parrish	Signature:
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1200

24.8 ^{mm}

129 ^{cons}

0.06 ^{sal}

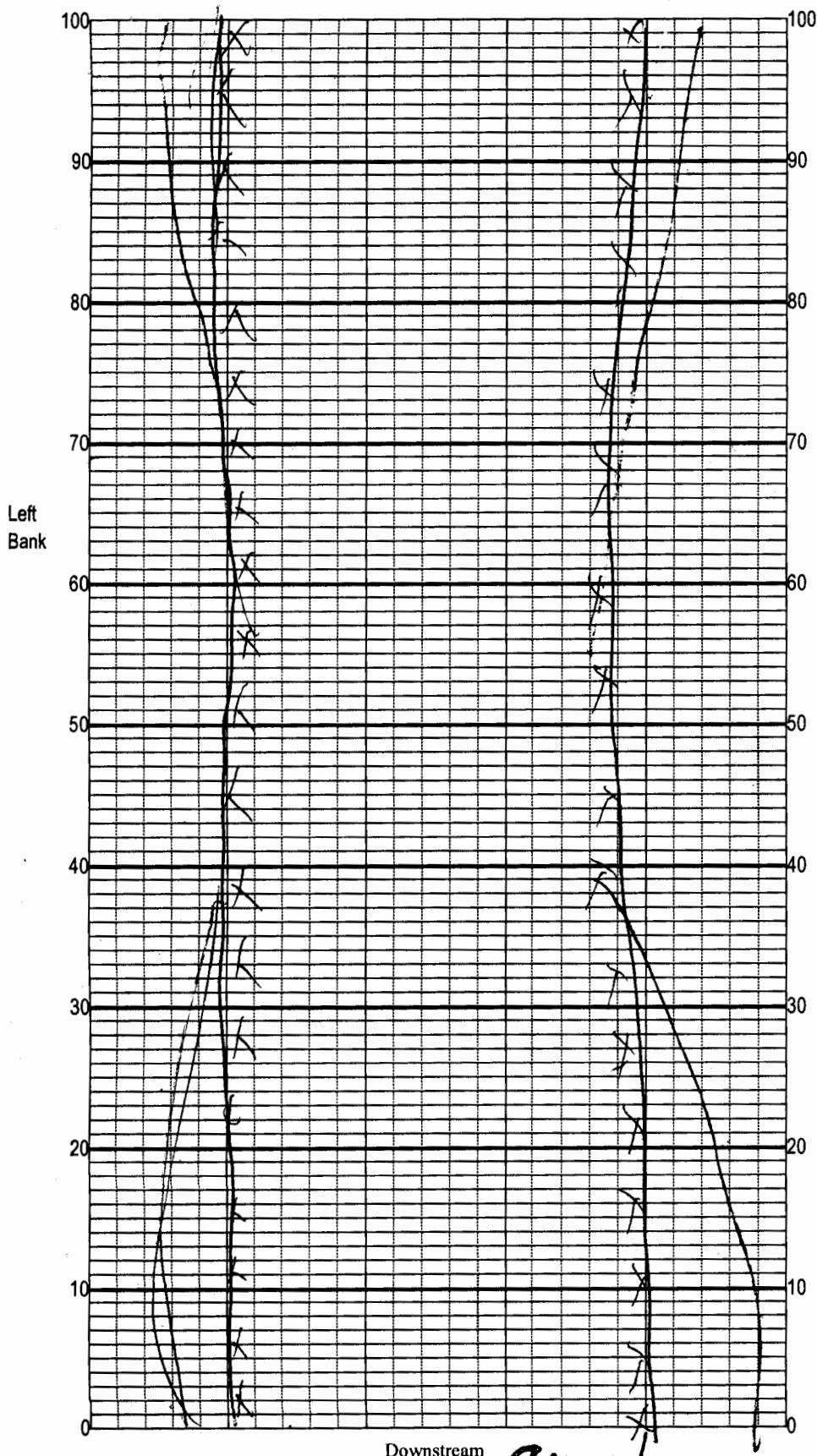
5.9 ^{mgL}

71.7 %

0.2 ^{depth}

7.08 ^{pH}

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



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

Location: Cross Creek 400 m above CR 325
Date: 9-26-2017
Sampler: J. Parrish

100 m: Latitude	
Longitude	
0 m: Latitude	
Longitude	
Substrates: Code key, draw proportionate habitat abundance. %	
☐ Snags	
☐ Roots/undercut banks	
☐ Leaf Packs (or mats)	
☒ Aquatic Macrophytes	<u>3</u>
☐	
☐	
☐ Pools	total # observed = # range expected =
Average width	<u>10</u> m
Average depth	<u>0.2</u> m
Velocity measured at	<u>30</u> meter mark.
WQ & chemistry taken at	<u>30</u> 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:

<2 M of Macrophytes was observed while doing the LVS? YES or NO

77559
DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Waterbody: Cross Creek Date: 4-26-17 County: Alachua Storet Number: GLW0893
Analyst: J. Parrish / A. Kalmbacher Signature: A. Kalmbacher
Comments:

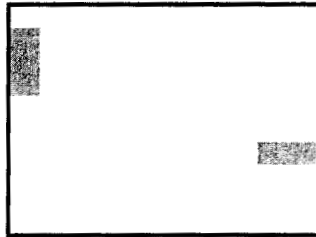
Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m² of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, 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																			
<i>Alternanthera philoxeroides</i>											P	P									<i>Micranthemum glomeratum</i>																				
<i>Bacopa caroliniana</i>																					<i>Micranthemum umbrosum</i>																				
<i>Bacopa monnieri</i>																					<i>Myriophyllum aquaticum</i>	P										PPP									
<i>Bidens mitis</i>																					<i>Najas guadelupensis</i>																				
<i>Boehmeria cylindrica</i>																					<i>Nuphar luteum</i>	PPPP										PPPP									
<i>Centella asiatica</i>																					<i>Orontium aquaticum</i>																				
<i>Ceratophyllum demersum</i>	P																				<i>Panicum hemitomon</i>	PPPP										PPPP									
<i>Chara</i>																					<i>Panicum repens</i>																				
<i>Cicuta maculata</i>																					<i>Panicum rigidulum</i>																				
<i>Cladium jamaicense</i>																					<i>Pistia stratioides</i>											PPPP							P	P	
<i>Colocasia esculenta</i>				P																	<i>Polygonum glabra</i>																				
<i>Commelina diffusa</i>																					<i>Polygonum hydropiperoides</i>																				
<i>Commelina virginica</i>																					<i>Polygonum punctatum</i>																				
<i>Crinum americanum</i>																					<i>Pontedaria cordata</i>	PPR										PPR									
<i>Diodia virginiana</i>																					<i>Potamogeton illinoensis</i>																				
<i>Eichhornia crassipes</i>	PPR	PPR																			<i>Ruellia simplex</i>																				
<i>Eleocharis (wispy viviparous)</i>																					<i>Sacciolepis striata</i>	PPPP										PPPP									
<i>Hydrilla verticillata</i>																					<i>Sagittaria kurziana</i>																				
<i>Hydrocotyle</i>	PPPP	PPR																			<i>Sagittaria lancifolia</i>																		P	PP	
<i>Hygrophila polysperma</i>																					<i>Sagittaria latifolia</i>																		P		
<i>Hymenocallis</i>																					<i>Salvinia minima</i>	PPPP										PPPP									
<i>Lachnanthes caroliniana</i>																					<i>Samolus parviflora</i>																				
<i>Landoltia punctata</i>																					<i>Saururus cernuus</i>																				
<i>Lemna</i>	PPPP	PPR																			<i>Sparganium americanum</i>																				
<i>Limnophila sessiflora</i>																					<i>Typha</i>											PPP							P		
<i>Ludwigia leptocarpa</i>				P																	<i>Vallisneria americana</i>																				
<i>Ludwigia palustris</i>																					<i>Zizania aquatica</i>																				
<i>Ludwigia peruviana</i>																																									
<i>Ludwigia repens</i>																					<i>Utricularia foliosa</i>	PPPP										PPPP									
<i>Luziola fluitans</i>																					<i>Polygonum densiflora</i>	PPDD										DDDD									
																					<i>Cephalanthus occidentalis</i>	PP										PP									
																					<i>Salix</i>	PPPP										PPPP									
																					<i>Sambucus</i>	PPPP										PPPP									
																					<i>Taxodium</i>	PP										PPPP									
																					<i>Oxycaum</i>											P									
																					<i>Bidens laevis</i>																		P		
																					<i>Rumex</i>											PPPP									
																					<i>Scirpus californicus</i>											P									

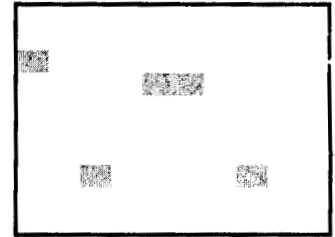
FDEP FORM FD 9000-32 LINEAR VEGETATION SURVEY FIELD SHEET

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

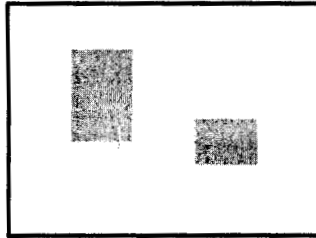
5% Macrophyte Coverage



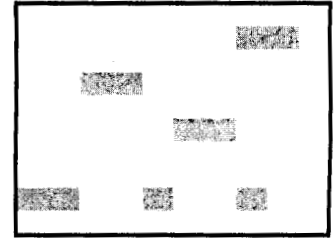
5% Macrophyte Coverage



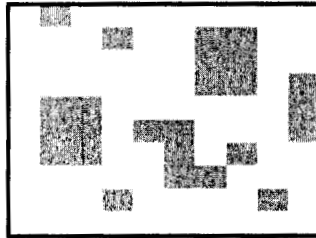
10% Macrophyte Coverage



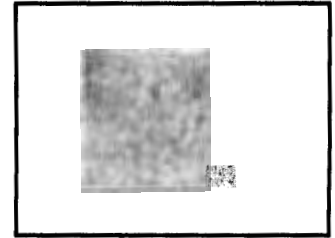
10% Macrophyte Coverage



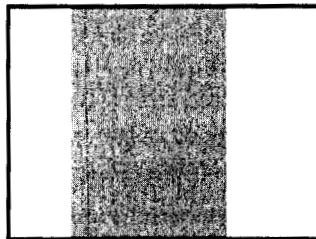
25% Macrophyte Coverage



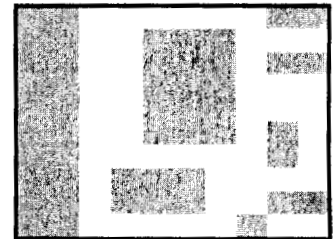
25% Macrophyte Coverage



50% Macrophyte Coverage



50% Macrophyte Coverage



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 ISI # 3 RQ- 2017-04-17-18 Project GV.16 SOW

- 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

2/2017

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.	J Parrish	4/26/17	710	22.5	8.54	8.60	100	56.3		P	
ICV	J	J	711	22.4	8.54	8.53	99.4	56.3	-	P	
CCV	A Kalmbacher	4-26-17	1505	25.7	8.15	8.01	98.1	56.3		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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	J Parrish	4/26/17		161101A	11/17	1000	1000	P	2
ICV				21472017	12/17	147	143	P	2
CCV	A Kalmbacher	4-26-17	1508	21472017	12/17	148	148	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

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.	J Parrish	4/26/17		2702C47	2/19	7.0	7.0	-18.2	P	L
Calibr.	J	J		2610F42	10/18	4.0	4.0	169.5	P	
Calibr.	J	J		2608E35	2/18	10.0	10.0	-188.6	P	
ICV	J	J		2610F42	10/18	4.0	4.03	167.4	P	
CCV	A Kalmbacher	4-26-17	1510	2702C47	2/19	7.0	7.01	-15.7	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 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	J	4/26/17	729	0.000	0.0	P	

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

Scanned 5/2/17