FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / (No)

WIN Station Name: G2SW0099 CARLTON BRANCH @ SR674 Date: 11-13-19 (mm/dd/yyyy)

WIN/ Field ID: _____ WBID: 1724 Latitude: _____ (Decimal Degrees)

County: HILLS ORG ID: 21FLTPA Longitude: _____ (Decimal Degrees)

Receiving Body of Water: _____ RQ-2019- 10-28-06

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
JUDY ASHTON	✓		✓		
BEN PASWATER		✓	✓	✓	

Sampling Equipment

- ☑ Sample Container ☐ Van Dorn ☐ Pole
- ☐ Carboy ☐ Syringe
- ☐ Dipper ☐ Other _____

Depth Measured with: Secchi

Equipment ID ____Secchi #1

Collection Method

- ☒ Wading ☐ Canoe/Kayak
- ☐ From Shore ☐ Electric Motor
- ☐ Other _____ ☐ Gasoline Motor

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

Meter ID# CHAUV

Matrix: (Fresh) / Marine / DI

Photos: (Yes) / No

Flow: No Flow / Interstitial / Flowing / NA

Tide: Rising/ Falling/ Slack/ (NA)

Tide Times: High ____ Low ____

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C⁰)
(EST)	1200	0.3	0.2	0.3 S	8.36	93.1	5.05	0.11	223.4	20.6

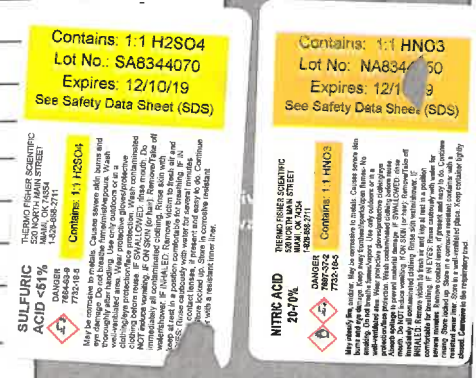
Biological Samples Collected: None (HA) (SCI) (RPS) Algae ID (LVS) LVI Other:

SBIO ID Numbers: SBIO-ID: 80513 HA-ID: 16406 RPS-ID: 9496 Macrophyte-ID: < 2 m² LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☑ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H_2SO_4	SA8344070	12/10/19	☐ <2
Metals	☑ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3	NA8344050	12/10/19	☐ <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-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☑ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☑ E Coli ☐ F Coli ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☑ W-E8321-DI ☑ W-E8321-MS	☐ Ice			
Pesticides	☑ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ W-E8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Contains: 1:1 H_2SO_4 Lot No.: SA8344070 Expires: 12/10/19 See Safety Data Sheet (SDS)

Contains: 1:1 HNO_3 Lot No: NA8344050 Expires: 12/10/19 See Safety Data Sheet (SDS)



Field ID/WIN G2SW0099

Site Name: Carlton Branch @ SR674

Notes:

Signature: _____ Date: 11-13-19

LIMS EVENT ID: 2019-11-14-01 WIN Import ID: 16990

Enter Field Parameters, Verify Station ID in LIMS DMT: SM 12/2/2019 QC Station ID, Field Parameters in LIMS DMT: SM 01/06/2020 SM 02/13/2020

Scan/Save Field Sheets SM 03/11/2020 (Initials/Date) Migrate Data to WIN: SM 02/13/2020 (Initials/Date) Verify Data in WIN: SM 03/11/2020 (Initials/Date)

Field ID/WIN G2SW0099

Site Name: Carlton Branch @ SR674

Rapid Periphyton Survey Field Sheet

Date: 11-13-19

Investigators: Jhay Ashton

STORET Station Number:

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N		
	2			
	3			
	4			
	5			56
	6			
	7			
	8			
	9			
10	1	N		
	2			
	3			
	4			
	5			82
	6			
	7			
	8			
	9			
20	1	N		
	2			
	3			
	4			
	5			36
	6			
	7			
	8			
	9			
30	1	N		
	2			
	3			
	4			
	5			56
	6			
	7			
	8			
	9			
40	1	N		
	2			
	3			
	4			
	5			66
	6			
	7			
	8			
	9			
50	1	N		
	2			
	3			
	4			
	5			80
	6			
	7			
	8			
	9			

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
60	1	N		
	2			
	3			
	4			
	5			86
	6			
	7			
	8			
	9			
70	1	N		
	2			
	3			
	4			
	5			30
	6			
	7			
	8			
	9			
80	1	N		
	2			
	3			
	4			
	5			36
	6			
	7			
	8			
	9			
90	1	N		
	2			
	3			
	4			
	5			20
	6			
	7			
	8			
	9			
100	1	N		
	2			
	3			
	4			
	5			12
	6			
	7			
	8			
	9			

Secchi depth	0.3
Estimated?	N

# 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	✓
Habitat Assessment	✓
SCI/Biorecon	✓
Water sample	✓

RQ- 2019-10-28-06

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

*If you can see the secchi on the bottom, but you cannot see or reach surrounding substrate use "X" and check estimated

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%.

Field ID/WIN G2SW0099

: LINEAR VEGETATION SURVEY FIELD SHEET

Site Name: Carlton Branch @ SR674

Date: | County: Hills | Storet Number:

Signature:

42m²

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				X							
Cladium jamaicense											
Colocasia esculenta											
Commelina diffusa					X					X	
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											
If no Dominant or Co-Dominant were selected, indicate with "X"											
Indicate % cover macrophytes per section											
0-5% Macrophyte Coverage	X	X	X	X	X	X	X	X	X	X	
>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)
Micranthemum glomeratum					X						
Micranthemum umbrosum											
Myriophyllum aquaticum											
Najas guadelupensis											
Nuphar luteum											
Orontium aquaticum											
Panicum hemitomon											
Panicum repens											
Panicum rigidulum											
Pistia stratioides											
Polygonum glabra											
Polygonum hydropiperoides											
Polygonum punctatum											
Pontedaria cordata											
Potamogeton illinoensis											
Ruellia simplex											
Sacciolepis striata											
Sagittaria kurziana											
Sagittaria lancifolia											
Sagittaria latifolia											
Salvinia minima											
Samolus parviflora											
Saururus cernuus							X				
Sparganium americanum											
Typha											
Vallisneria americana											
Zizania aquatica											
Urochloa mutica	X										
Acrostichum		X				X					
thelypteris			X								
	X	X	X	X	X	X	X	X	X	X	

Field ID/WIN G2SW0099

ysical/Chemical Characterization Field Sheet

Site Name: Carlton Branch @ SR674

LATITUDE

LONGITUDE

SAMPLING AGENCY FDEP

SITE NAME

FIELD ID/NAME

RECEIVING BODY OF WATER

11-13-19 2019-10-28-06

RIPARIAN ZONE / STREAM FEATURES

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

Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industry	Other (Specify)
20		25	10	5		40	

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) 5

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

3.0 m wide

	m/s	0.25	m/s		m/s
	m deep	0.3	m deep		m deep

High Water Mark: 0.3 (m) + 2.0 (above present water level) = 2.3 (present depth) (above bed)

Artificially Impounded ☐ Yes ☑ No

Artificially Channelized : ☑ No ☐ Mostly recovered, more sinuous ☐ 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

	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)		10	
Undercut Banks / Roots		2	
Leaf Packs or Mat		1	
Aquatic Vegetation		3	
Rock or Shell Rubble..			
Sand.....		4A	
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)
Top :							
Mid:							
Bottom	0.2	10.6	5.05	8.36	93.1	223.4	0.11

Secchi (M) 0.3 ☒ VOB

Total Depth 0.3

Meter ID:

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: Exp:

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:	☑	☐	☐	☐

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 Ben Pennington Judy Ashton

SIGNATURE : Ben Pennington

DATE : 11/13/19

62-160.800, F.A.C.

Revision Date: March 1, 2014

Field ID/WIN G2SW0099

Stream/River Habitat Assessment Field Sheet

Site Name: Carlton Branch @ SR674

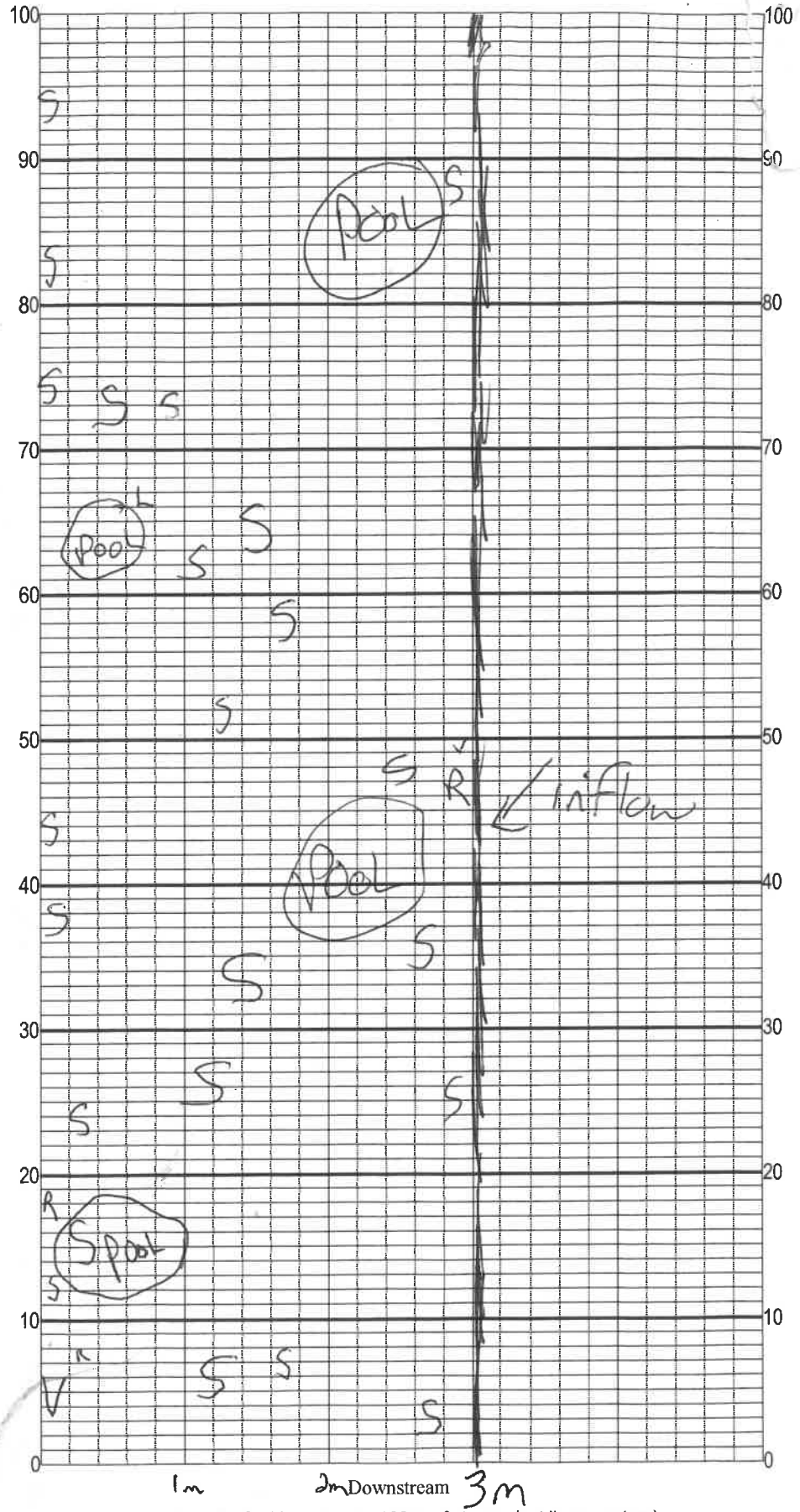
STORET STATION NUMBER:	DATE (MM/DD/YY):	RECEIVING BODY OF WATER:
G2SW0099	11-13-19	
LOCATION: CARLTON BRANCH		FIELD ID/NAME:

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 5	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 6	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 15	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 39	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** 19	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	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. L R (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 L R (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 8 Left Bank 8 Secondary Score 65	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

104 **TOTAL SCORE**

Date:	Analyst:	Signature:
11/13/19	Ben Pasewater	

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



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

Location: CARLTON BRANCH

Date: 11-13-19

Sampler: BEN PASSMORE

100 m: Latitude _____
Longitude _____

0 m: Latitude _____
Longitude _____

Substrates: Code key, draw proportionate habitat abundance. %

S	Snags	5.2
R	Roots/undercut banks	few
L	Leaf Packs (or mats)	few
V	Aquatic Macrophytes	few
●	Rock	none
	Pools	total # observed = ____ # range expected = ____

Average width 3 m
Average depth 0.5 m

Velocity measured at 0 meter mark.

WQ & chemistry taken at 0 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:

S = 78/1500
5.2%

62-160.800, F.A.C

Revision Date: March 1, 2014

Advanced
Environmental Laboratories, Inc.

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ient Name: FDEP SW Dist.
ddress: 13051 N. Telecom Pkwy. Temple Terrace FL 33637
none: 813-470-5770
ontact: Judy Ashton 813-470-5772
mpled By:
rn Around Time: ☑ STANDARD ☐ RUSH
Page: 1 of 1

Project Name: SMP
P.O. Number: B5A496
Project Address:

Special Instructions:
RQ-2019- 10-28-06

☐ ADaPT ☐ EQuIS ☐ Other

SAMPLE ID / SAMPLE DESCRIPTION	Grab / Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	Analysis Required: E. COLI	BOTTLE SIZE & TYPE	LABORATORY I.D. #
Field ID/WIN G2SW0099		11-13-19	1200	SW	1	ICE	1		

Site Name: Carlton Branch @ SR674

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received _____(in degrees celcius)

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V

DCN: AD-051 Form last revised 04/30/2015

	Relinquished by:	Date	Time	Received by	Date	Time
1	Judy Ashton	11-13-19	1440		11/13/19	1440

FOR DRINKING WATER USE:
PWS ID: _____

Request Number: RQ-2019-10-28-06
~~Salix Slough SCI#2~~ CARLTON SCI

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SW-DIST
Project ID: SMP

Requester: Judy Ashton
Collected By: J. Ashton, B. Paswater
Field Report Prepared By: Judy Ashton
Sampling Agency: FDEP

Field	Value
Location	
Field ID/WIN	G2SW0099
Site Name	Carlton Branch @ SR674
Latitude	☐ dd ☐ dms
Longitude	☐ dd ☐ dms
Comp / Grab	☐ Comp ☒ Grab
Collection (comp begin or grab) Date	11-13-19
Time	1200 (Eastern)
Composite end Date / Time	(struck through)
Matrix (type, e.g., Salt, Fresh, etc)	Fresh
Diss. Oxygen	8.36 ☒ mg/L ☐ % sat
Total Res. Chlorine (mg/L)	(struck through)
Temp (C)	20.6
pH	5.05
Sample Depth	0.2 ☐ ft ☒ m
Sp. Conductance (umho/cm)	223.4
Salinity (ppt)	0.11
Comments	E.COLI DROPPED OFF @ ALL
Bottle Group(s) (See pg 2)	A/B

Location	Field ID	WIN/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	Number of Coolers Shipped:	Received By:	Date/Time
J. Ashton	11-13-19	Fed Ex	2		

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	~~2~~ 1
	SW-AEL-ECQ						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						
Group: A	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-PSNP-TQ						
Group: B	Bottle Type:	PT-50ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALGAL_ID						
Group: B	Bottle Type:	PJ-2L	# of Bottles: 2	Preservative:	Formalin	Enter Number of Bottles Sent to Lab	2

MI-FW-QLDC