



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☒ No ☐

WIN Station Name: HURRAH CREEK

Date: 3-12-19

WIN/Field ID: 62SW0D9B

WBID: 1711

Latitude: 27.76644 (mm/dd/yyyy)

County: HILLS

ORG ID: 21FLTPA

Longitude: 82.141372 (Decimal Degrees)

Receiving Body of Water: _____

RQ-2019- 03-11-21 (Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>Sam Ashworth</u> <u>BLW PRABHAKAR</u>					☒	☒	☒	☒	☒
					☐	☐	☐	☐	☐

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# LILJON

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 (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
<u>EST</u>	<u>1300</u>	<u>0.4</u>	<u>0.3</u>	<u>0.4</u>	<u>6.29</u>	<u>71.9</u>	<u>6.35</u>	<u>0.21</u>	<u>438</u>	<u>21.80</u>
				<u>"S"</u>						

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

SBIO ID Numbers: SBIO-ID: 79281 HA-ID: 15698 RPS-ID: 9272 Macrophyte-ID: 11244 LIMS#: 2069268

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☐ H2SO4	<u>8099110</u>	<u>4-9-19</u>	☒
Metals	☒ W-ICPMS ☒ W-ICP	☐ Ice ☐ HNO3			☒
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-CH-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☒ MIFFW-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	☐ Ice			

Notes:

Flow = 0.33 m/s

Place Label Here

Signature: [Signature]

Date: 3-12-19

LIMS EVENT#ID: 2019-03-13-01

WIN Import ID: 12104

Enter Field Parameters, Verify Station ID in LIMS DMT: SM 03/26/2019

QC Station ID, Field Parameters in LIMS DMT: SM 06/11/2019

Scan/Save Field Sheets SM 08/12/2019

Migrate Data to WIN: SM 06/11/2019

Verify Data in WIN: SM 08/12/2019

(Initials/Date)

(Initials/Date)

(Initials/Date)

Site Name: Hurrah Creek @ Alafia River SP

21FLTPA

LATITUDE

LONGITUDE

SITE NAME see sticker

TIME

SAMPLING AGENCY FDEP SW ROC

DATE

RECEIVING BODY OF WATER

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category): Forest/Natural 70 Silviculture Field/Pasture 15 Agricultural 5 Residential 5 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							Typical Width (m) Depth (m)/Velocity (m/sec) Transect m/s 2.33 m/s m/s m deep 0.4 m deep m deep
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank: 718m Right Bank: 718m				Hydrologic Modification Score (per FT 3101) 3			
High Water Mark: + = (m) (above present water level) (present depth) (above bed)				Artificially Impounded ☐ Yes ☐ No			
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 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			WATER QUALITY <table border="1"> <thead> <tr> <th>Depth (M)</th> <th>Temp. (°C)</th> <th>pH (SU)</th> <th>D.O. (MG/L)</th> <th>D.O. Sat (%)</th> <th>Cond. (UMHO/CM)</th> <th>Salinity (PPT)</th> <th>SECCHI (M)</th> </tr> </thead> <tbody> <tr> <td>Top: 0.3 </td> <td> 21.90 </td> <td> 6.35 </td> <td> 6.29 </td> <td> 71.9 </td> <td> 438 </td> <td> 0.21 </td> <td> 0.4 </td> </tr> <tr> <td>Mid: </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td>☒ VOB</td> </tr> <tr> <td>Bottom: </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)	Top: 0.3	21.90	6.35	6.29	71.9	438	0.21	0.4	Mid:							☒ VOB	Bottom:							
Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)																																	
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Mid:							☒ VOB																																	
Bottom:																																								
Woody Debris (Snags) 1.0 Undercut Banks / Roots 0.3 Leaf Packs or Mat Aquatic Vegetation 1.0 Rock or Shell Rubble Sand Mud / Muck / Silt Other Other			Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐ Water Sample Taken? ☒ Yes ☐ No Sample Preserved? ☒ Yes ☐ No Lot Number: Exp:			Water Surface Oils Normal ☒ Sheen ☐ Globs ☐ Slick ☐ Other ☐ Color Tannic ☒ Green (Algae) ☐ Clear ☐ Other (Specify) 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

Judy Ashton, Ben Pasquetti, Sarah Meyer

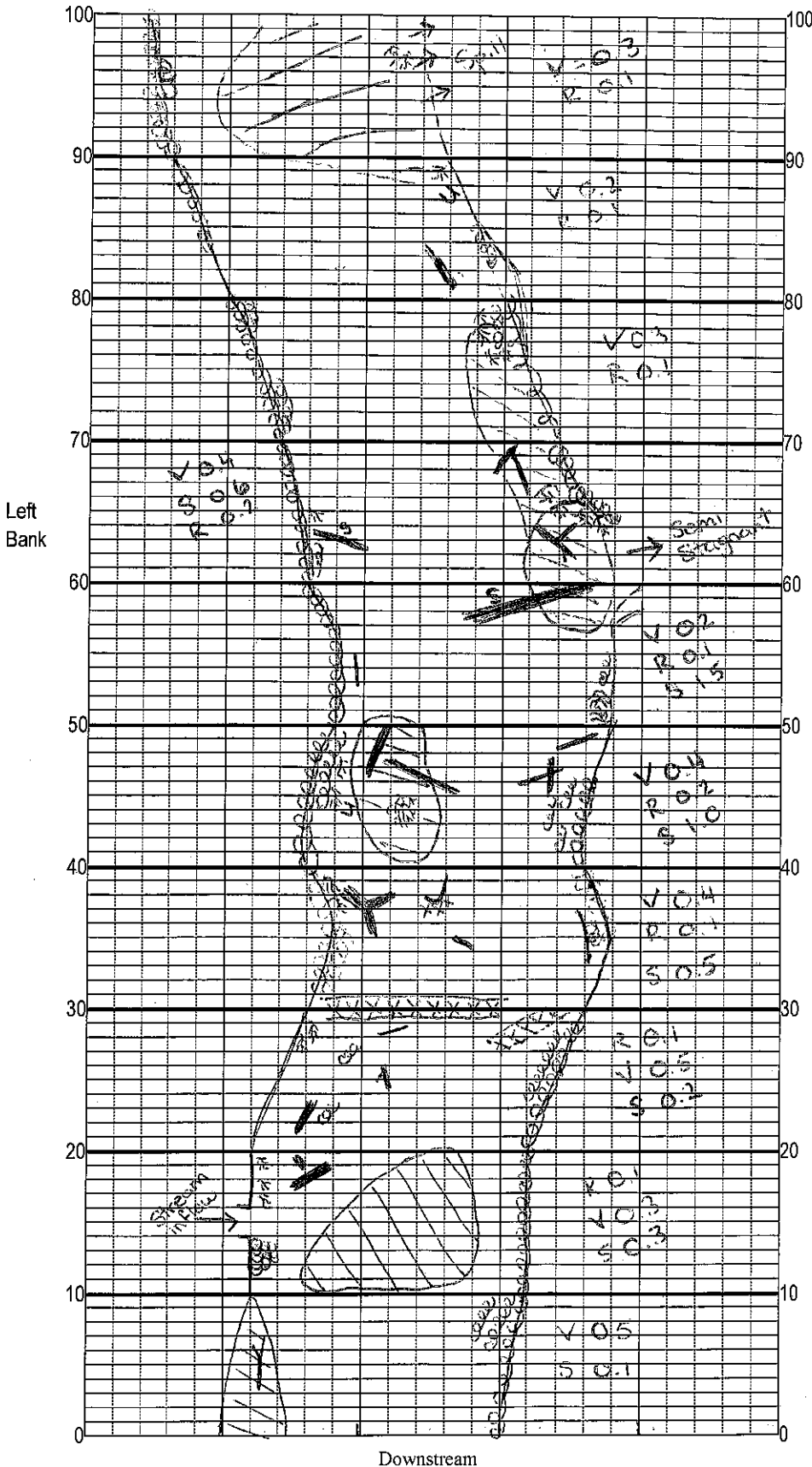
SIGNATURE:

Judy Ashton

DATE:

3-12-19

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



Location: Hurrah Creek

Date: 03/12/2019

Sampler: J Ashton B Paswater S Meyer

100 m: Latitude _____	Longitude _____
0 m: Latitude _____	Longitude _____
Substrates: Code key, draw proportionate habitat abundance. %	
Snags 4.2	1
Roots/undercut banks	0.3
Leaf Packs (or mats)	
Aquatic Macrophytes	1
undercut	
fallen Palm trees	
Pools	total # observed = 5 # range expected =
Average width	4 m
Average depth	m
Velocity measured at _____ meter mark.	
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.	

Plants observed / other notes:

Heavily Braided
throughout

flow 0.33

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

Field ID/WIN

G2SW0098





G2SW00098

DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD

Site Name: Hurrah Creek @ Alafia River SP

County: Hillsborough

Waterbody: See Sticker

Date: 3/12/19

Signature: Ben Paswater

Analyst: Ben Paswater

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. **BOLD is exotic invasive**

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											
Alternanthera philoxeroides												Micranthemum glomeratum	✓										Micranthemum umbrosum										
Bacopa caroliniana (Lemon)												Myriophyllum aquaticum											Najas guadelupensis										
Bacopa monnieri												Nitella sp.											Nuphar luteum										
Bidens mitis												Orontium aquaticum											Panicum hemitomon										
Boehmeria cylindrica	✓	✓				✓		✓				Panicum repens											Panicum rigidulum										
Centella asiatica												Pistia stratioides											Polygonum glabra										
Ceratophyllum demersum												Polygonum hydropiperoides											Polygonum punctatum										
Chara sp.												Pontedaria cordata	✓	✓	✓		✓						Potamogeton illinoensis										
Cicuta maculata												Ruellia simplex											Sacciolepis striata										
Cladium jamaicense												Sagittaria kurziana											Sagittaria lancifolia										
Colocasia esculenta												Sagittaria latifolia											Salvinia minima										
Commelina diffusa												Samolus parviflora											Saururus cernuus										
Commelina virginica												Sparganium americanum											Schoenoplectus americanus										
Crinum americanum												Sphagneticola trilobata (Wedelia)											Typha sp.										
Cyperus <u>distichus</u>						✓						Urochloa mutica (Brachiaria)					✓	✓		✓			Vallisneria americana										
Diodia virginiana												Zizania aquatica											Hypoxis hirsuta		✓			✓	✓		✓		
Eichhornia crassipes												Nasturtium officinale	✓	✓	✓	✓	✓	✓	✓	✓	✓		Acrostichum danzifolium					✓					
Eleocharis (wispy viviparus)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		Liquidambar styraciflua											Alternanthera sessilis	✓									✓
Fontinalis sp. (Aquatic Moss)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		Dichanthelium dichotomum	✓	✓						✓	✓		Echinocloa colona	✓	✓				✓	✓		✓	
Fraxinus caroliniana	✓	✓	✓					✓		✓		Cornus foemina											Pinguicula caprula	✓									
Hydrilla verticillata												Rumex	✓	✓	✓	✓	✓	✓	✓	✓	✓		Panicum rigidulum	✓		✓							
Hydrocotyle sp.			✓					✓				Rumex verticillatus																					
Hygrophila polysperma																																	
Hymenachne amplexicaulis																																	
Hymenocallis																																	
Lachnanthes caroliniana																																	
Landoltia punctata																																	
Lemna sp.																																	
Limnophila sessiflora																																	
Ludwigia leptocarpa																																	
Ludwigia palustris																																	
Ludwigia peruviana																																	
Ludwigia repens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																							
Luziola fluitans																																	
Juncus effusus						✓				✓																							
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																																	



Site Name: Hurrah Creek @ Alafia River SP

FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Investigators					County: Hillsborough				
Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N			60	1	N		
	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	V				1			
	2					2			
	3					3			
	4					4			
	5					5			
	6					6			
	7					7			
	8					8			
	9					9			

STORET Station Number:

Secchi depth 24
 Estimated? NO

points ranked 4-6 0
 total points assessed 93
 % 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 2029-03-11-21

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 densimeter 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 9000-5 Stream/River Habitat Assessment Sheet

Site Name: Hurrah Creek @ Alafia River SP

STORET STATION
NUMBER: see sticker

DATE (MM/DD/YY):

SAMPLING AGENCY:

FDEP SWROC

FIELD ID/NAME: see sticker

LOCATION:

COUNTY:

Hills

RECEIVING BODY OF WATER:

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>10</u>	20 19 18 17 16	15 14 13 12 11	<u>10</u> 9 8 7 6	5 4 3 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>20</u>	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec ≥0.33 0.31 0.29 0.27 >0.25 <u>20</u> 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 <u>12</u> ----- Primary Score <u>45</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 <u>12</u> 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	Expected sinuosity given the stream width. No evidence of dredging or artificial straightening. No spoil banks.	Good sinuosity within old channelized area. Evidence of dredging in the past (>25 yrs) but mostly recovered.	Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area.	Straightened or engineered by dredging, has trapezoidal or box cut cross section, lacks required pools. May have spoil banks.
Artificial Channelization <u>20</u>	<u>20</u> 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Bank Stability	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.	Only meets 2 of the 3 requirements for optimal bank stability.	Only meets 1 of the 3 requirements for optimal bank stability.	Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas.
Right Bank <u>10</u> Left Bank <u>10</u>	<u>10</u> 9	8 7 6	5 4	3 2 1
Riparian Buffer Zone Width	Width of vegetation greater than 18 m	Width of vegetation >12 to 18m	Width of vegetation 6 to 12 m. human activities close to system	Less than 6 m of buffer zone due to intensive human activities
Right Bank <u>9</u> Left Bank <u>10</u>	<u>10</u> 9	R <u>8</u> 7 6	5 4	3 2 1
Riparian Zone Vegetation Quality	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.	>50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed.	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious.	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions).
Right Bank <u>8</u> Left Bank <u>9</u> ----- Secondary Score <u>74</u>	10 <u>9</u>	R <u>8</u> 7 6	5 4	3 2 1

TOTAL SCORE

121Date: 3/11/19Analyst: Ben PaswaterSignature: Ben Paswater

Florida Department of Environmental Protection

Central Laboratory Submittal Form

SCIs, Carlton & Hurrah

last revised Jan 25, 2018

Customer: SW-DIST

Requester: Judy Ashton

Field Report Prepared By: J Ashton

Project ID: SMP

Collected By: J Ashton B Paswater S Meyer

Sampling Agency: FDEP SW ROC

Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3-12-19 Time 1300		Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID/WIN G2SW0098		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 6.29		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
WIN/ST Site Name: Hurrah Creek @ Alafia River SP		Temp (C) 21.80		pH 6.35		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 438	
Latitude ☐ dms		☐ dd ☐ dms		Salinity (ppt) 0.21		Comments E. COLI MEANS OUT 2 ALL					
Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3-12-19 Time 1515		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID/WIN G2SW0096		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		* A	
WIN/ST Site Name: Rice Creek @ Oak Forest Dr		Temp (C)		pH		Sample Depth		☐ ft ☒ m		Sp. Conductance (umho/cm)	
Latitude ☐ dms		☐ dd ☐ dms		Salinity (ppt)		Comments E. COLI MEANS OUT 2 ALL					
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date Time		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms		Comments					
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date Time		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms		Comments					

Relinquished By: Sarah Meyer	Date/Time 03/12/2019 1700	Shipping Method FedEx	Number of Coolers Shipped: 2	Received By:	Date/Time
---------------------------------	------------------------------	--------------------------	---------------------------------	--------------	-----------

* GROUP A LESS METALS, MARKERS + TRACERS

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	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	<u>2</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	SWD-AEL-EC						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u> /
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-PO4-F						
Group: A	Bottle Type:	BG-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
	W-PSNP-TQ						
Group: B	Bottle Type:	PT-50ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>0</u>
	ALGAL_ID						
Group: B	Bottle Type:	PJ-2L	# of Bottles: 4	Preservative:	Formalin	Enter Number of Bottles Sent to Lab	<u>2</u>
	MI-FW-QLDC						



Advanced
Environmental Laboratories, Inc.

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☒ Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

Client Name: FDEP SW Dist.		Project Name: SMP		BOTTLE SIZE & TYPE												LABORATORY I.D. #
Address: 13051 N. Telecom Pkwy. Temple Terrace FL 33637		P.O. Number: B370AE		Analysis Required												
Phone: 813-470-5770		Project Address:														
Contact: Judy Ashton 813-470-5772		Special Instructions: RQ-2019-03-11-21														
Sampled By:																
Turn Around Time: ☒ STANDARD ☐ RUSH																
Page: of		☐ ADAPT ☐ EQUIS ☐ Other														
SAMPLE ID	SAMPLE DESCRIPTION			Grab Comp	SAMPLING DATE TIME		MATRIX	NO. COUNT	PRE SER VATI ON							
Field ID/WIN	G2SW0098				3-12-19 1300		SW	1								
Site Name:	Hurrah Creek @ Alafia River SP															
Field ID/WIN	G2SW0099															
Site Name:	Carlton Branch @ SR674															
Field ID/WIN	G2SW0096				3-12-19 1515		SW	1								
Site Name:	RICE CREEK @ OAK FOREST DR.															

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

Received on Ice ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank

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

☐ Where required, pH checked

Temperature when received (in degrees Celsius)

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

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 %

Relinquished by: **Judy Ashton** Date: **3-12-19** Time: **1610**

Received by: **Devin** Date: **3-12-19** Time: **1610**

FOR DRINKING WATER USE:

PWS ID: