FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

New River @ Trail #14 SWFWMD

WIN Station Name: ~~New River @ Morris Bridge Rd~~ **Date:** 12-12-19 (mm/dd/yyyy)

WIN/ Field ID: ~~G2SW0061~~ G2SW0117 **WBID:** 1442 **Latitude:** ~~28.16544~~ (Decimal Degrees)

County: ~~Hillsborough~~ PASCO **ORG ID:** 21FLTPA **Longitude:** ~~-82.2652~~ (Decimal Degrees)

Receiving Body of Water: Hillsborough River **RQ-2019-** 12-04-06

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jim Ashton	✓	✓	✓	✓	✓
Kaitlin Pantuso		✓	✓		
E. Clarke					

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#** CHEM7 **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. (C°)
EST	1215	0.4	0.3	0.4 S	5.44	58.3	7.20	0.09	199.5	18.6

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

SBIO ID Numbers: SBIO-ID: 80536 HA-ID: 16426 RPS-ID: 9513 Macrophyte-ID: <2m² 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	SA9203100	07/22/20	☑ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO	NA9189080	07/08/20	☑ <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 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No: NA9189080
Expires: 07/08/20
See Safety Data Sheet (SDS)

SULFURIC ACID <51%

NITRIC ACID 20-70%

Notes:
A-Kit, E.coli, T&M (HF-183 & BacR)_

Field ID/WIN G2SW0117

Site Name: New River @ Trail#14 SWFWMD

Signature: Jim Ashton **Date:** 12-12-19

LIMS EVENT ID: 2019-12-13-01 WIN Import ID: 18268

Enter Field Parameters, Verify Station ID In LIMS DMT: SM 12/17/2019 QC Station ID, Field Parameters In LIMS DMT: SM 01/06/2020 SM 04/06/2020

In/Save Field Sheets ___ (Initials/Date) Migrate Data to WIN: SM 04/06/2020 (Initials/Date) Verify Data In WIN: SM 05/26/2020 (Initials/Date)

Field ID/WIN G2SW0117

Site Name: New River @ Trail#14 SWFWMD

DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD

County: Pasco | Waterbody: **See Sticker**

Date: 12-12-19 | Signature:

Comments: <2m² | Analyst: Jerry Bottom

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. **BOLD is exotic invasive**

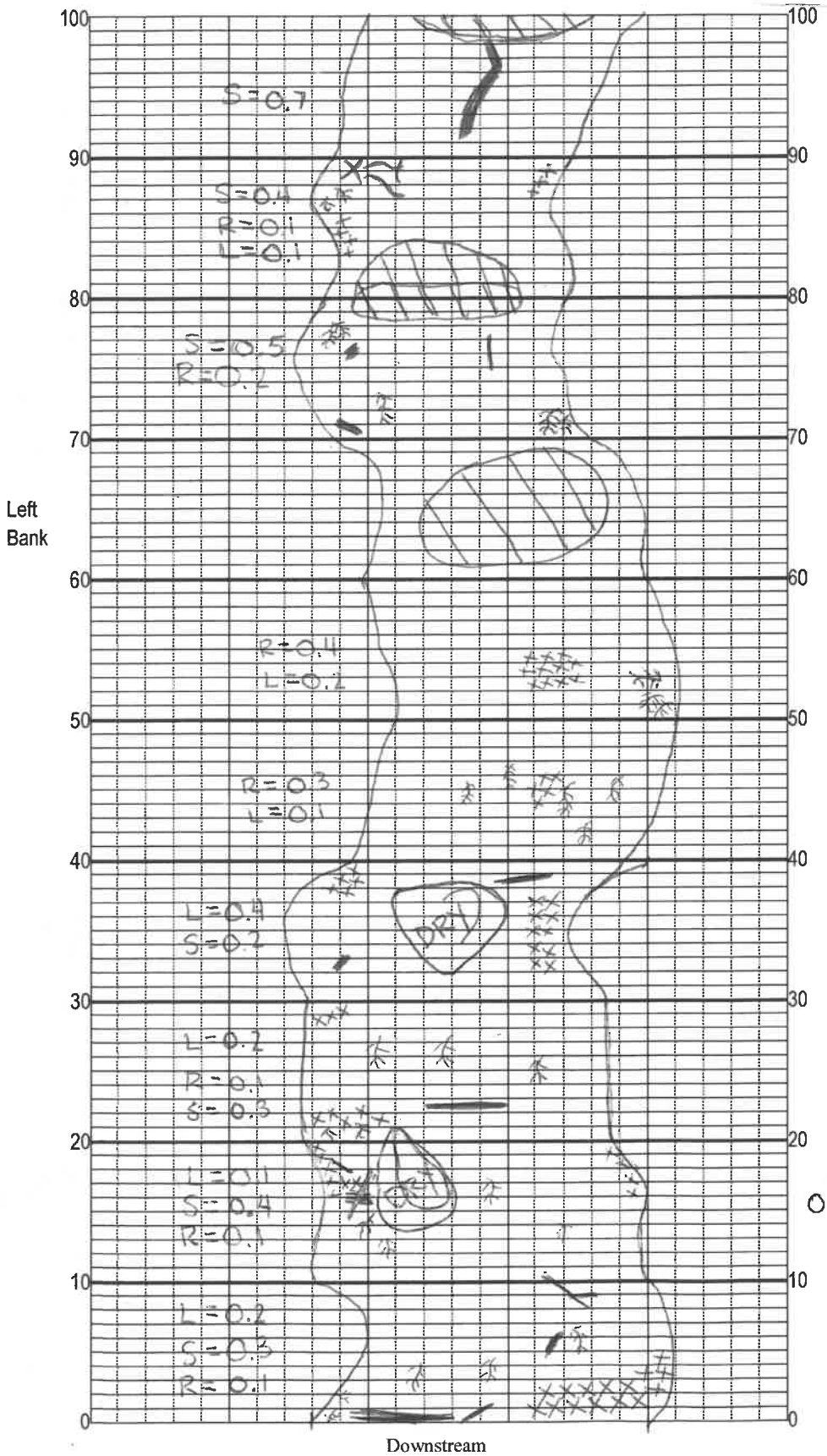
HERBACEOUS SPECIES	Meter Mark 0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Alternanthera philoxeroides											
Bacopa caroliniana (Lemon)											
Bacopa monneri											
Bidens mitis											
Boehmeria cylindrica											
Centella asiatica											
Ceratophyllum demersum											
Chara sp.											
Cicuta maculata											
Cladium jamaicense											
Colocasia esculenta											
Commelina diffusa											
Commelina virginica											
Crinum americanum											
Cyperus											
Diodia virginiana											
Eichhornia crassipes											
Eleocharis (wispy viviparous)											
Fontinalis sp. (Aquatic Moss)											
Fraxinus caroliniana											
Hydrilla verticillata											
Hydrocotle sp.											
Hygrophila polysperma											
Hymenachne amplexicaulis											
Hymenocallis											
Lachnanthes caroliniana											
Landoltia punctata											
Lemna sp.											
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											
>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											
Micranthemum umbrosum											
Myriophyllum aquaticum											
Najas guadelupensis											
Nitella sp.											
Nuphar luteum											
Orontium aquaticum											
Panicum hemitomon											
Panicum repens											
Panicum rigidulum											
Pistia stratioides											
Polygonum glabra											
Polygonum hydropiperoides											
Polygonum punctatum											
Pontedaria cordata											
Potamogeton illinoensis											
Ruellia simplex (Mex Petunia)											
Sacciolepis striata											
Sagittaria kurziana											
Sagittaria lancifolia											
Sagittaria latifolia											
Salvinia minima											
Samolus parviflora											
Saururus cernuus											
Sparganium americanum											
Schoenoplectus americanus											
Sphagneticola trilobata(Wedelia)											
Typha sp.											
Urochloa mutica (Brachiaria)											
Vallisneria americana											
Zizania aquatica											

Field ID/WIN G2SW0117

DEP Form FD 9000-4

Site Name: New River @ Trail#14 SWFWMD



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

Date: 12/12/2019

Sampler: S Meyer, J Ashton, K Panzner

100 m: Latitude	
Longitude	
0 m: Latitude	
Longitude	

Substrates: Code key, draw proportionate habitat abundance.		%
	Snags 2.8	2
	Roots/undercut banks 1.5	1
	Leaf Packs (or mats) 1.5	1
	Aquatic Macrophytes	
	ROCKS	
	Pools total # observed =	
	# range expected = 5-6	

Average width 1.5 m

Average depth _____ m

Velocity measured at _____ meter mark.

WQ & chemistry taken at 100 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:

Leaf primarily new fall
0 3 Roots scattered & whispy
4
3
3

62-160.800, F.A.C

Revision Date: March 1, 2014

Field ID/WIN G2SW0117

Site Name: New River @ Trail#14 SWFWMD

P FORM FD 9000-25 Rapid Periphyton Survey Field Sh

Investigators:

County: PASCO

STORET Station Number: **see label**

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N		
	2			
	3			
	4			
	5			95
	6			
	7			
	8			
	9			
10	1	N		
	2			
	3			
	4			
	5			99
	6			
	7			
	8			
	9			
20	1	N		
	2			
	3			
	4			
	5			93
	6			
	7			
	8			
	9			
30	1	N		
	2			
	3			
	4			
	5			90
	6			
	7			
	8			
	9			
40	1	N		
	2			
	3			
	4			
	5			93
	6			
	7			
	8			
	9			
50	1	N		
	2			
	3			
	4			
	5			96
	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			89
	6			
	7			
	8			
	9			
70	1	N		
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			
80	1	N		
	2			
	3			
	4			
	5			94
	6			
	7			
	8			
	9			
90	1	N		
	2			
	3			
	4			
	5			92
	6			
	7			
	8			
	9			
100	1	N		
	2			
	3			
	4			
	5			89
	6			
	7			
	8			
	9			

Secchi depth	0.4
Estimated?	(No)

# 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-2019-12-03-06

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

1.1 HI WATER

FLOW 0.3 @ 0m

1.5 m WIDE

0.18 @ 50 m

FLOW 0.3 @ 100m

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 G2SW0117

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

Site Name: New River @ Trail#14 SWFWMD

STORET STATION NUMBER: see sticker	DATE (MM/DD/YY): 12-12-19	SAMPLING AGENCY: FDEP SWROC
FIELD ID/NAME: see sticker	LOCATION:	COUNTY: ALACHUA
		RECEIVING BODY OF WATER:

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 4	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 9 Primary Score 33	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 9 Left Bank 9	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 9 Left Bank 9 Secondary Score 76	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

109 ~~76~~ **TOTAL SCORE**

Date: 12-12-A	Analyst: J. ASHTON, S. MURPHY, K. PANZER TRAINING	Signature:

62-160.800, F.A.C.

Revision Date: March 1, 2014

Field ID/WIN G2SW0117

Site Name: New River @ Trail#14 SWFWMD

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

21FLTPA ___ LATITUDE _____

LONGITUDE _____

SAMPLING AGENCY FDEP SW ROC

RECEIVING BODY OF WATER _____

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)
50		30	10	10			

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 : 7/Bm Right Bank : 7/Bm

Hydrologic Modification Score (per FT 3101) 3

High Water Mark: 1.1 (m) + 0.4 (above present water level) = 1.5 (present depth) (above bed)

Artificially Impounded ☐ Yes ☑ No

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

1.5 m wide

m/s	0.3 m/s	m/s
m deep	0.4 m deep	m deep

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)	2	10	
Undercut Banks / Roots	1	4	
Leaf Packs or Mat	1	4	
Aquatic Vegetation			
Rock or Shell Rubble..			
Sand.....		2	
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 :	0.3	18.60	7.20	5.14	59.3	199.5	0.09	0.4
Mid:								☒ VOB
Bottom								TOTAL DEPTH
								0.4

Meter ID: Citizen

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: see Water Datasheet

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 Jenny Ashton, Sarah Meyer, Kaitlin P. TRAINING

SIGNATURE: [signature]

DATE : 12-12-19

Advanced Environmental Laboratories, Inc.

☐ **Gainesville:** 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639
☐ **Jacksonville:** 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354
☐ **Tallahassee:** 2639 North Monroe Street, Suite D • Tallahassee, FL 32303 • 850.219.6274 • Fax 850.219.6275
☑ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

Client Name:	FDEP SW Dist.	Project Name:	SMP
Address:	13051 N. Telecom Pkwy. Temple Terrace FL 33637	P.O. Number:	B5A496
Phone:	813-470-5770	Project Address:	
Contact:	Judy Ashton 813-470-5772	Special Instructions:	
Sampled By:		RQ-2019-12-09-06	
Turn Around Time:	☑ STANDARD ☐ RUSH	☐ ADaPT ☐ EQuIS ☐ Other	
Page:	1 of 1		

Field ID/WIN: G2SW0117

Site Name: New River @ Trail#14 SWFWMD

SAMPLE ID	SAMPLE DESCRIPTION	Grab / Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE	Analysis Required						LABORATORY I.D. #
									E. Coli						
			12-12-19	1215	SW	1	ICE		1						

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 = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfa

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

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:	Date	Time	Received by:	Date	Time
1	J. Ashton	12-12-19	1415		12/12/19	1415

FOR DRINKING WATER USE:

PWS ID: _____

Request Number: RQ-2019-12-09-06

~~Gamble Creek SCI#2~~ New River

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SW-DIST

Project ID: SMP

Requester: Judy Ashton

Field Report Prepared By: Judy Ashton

Collected By: J. Ashton, S. Mayle, K. Manzer

Sampling Agency: FDEP

Location Field ID/WIN G2SW0117 Site Name: New River @ Trail#14 SWFWMD	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 12-12-19 Time 1215	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2) A/B		
Field	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.44	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
WIN/	Temp (C) 18.60	pH 7.20	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 199.5			
Latitude ☐ dd ☐ dms	Salinity (ppt) 0.09	Comments E. coli droppes over ABL						
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)	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)	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)	Comments					

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
J. Ashton	12-12-19 1600	FED EX	1		

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	i
	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**	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**	Ø
	ALGAL_ID						
Group: B	Bottle Type:	PJ-2L	# of Bottles: 2	Preservative:	Formalin	**Enter Number of Bottles Sent to Lab**	2