



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

A-KIT

Data Qualified?

Yes ☒ No ☐

WIN Station Name: Rocky Creek

Date: 12/6/18
(mm/dd/yyyy)

WIN/ Field ID: G1SW0053

WBID: 1507

Latitude: 28.051
(Decimal Degrees)

County: Hillsborough

ORG ID: 21FLTPA

Longitude: -82.20150
(Decimal Degrees)

Receiving Body of Water: Old Tampa Bay

RQ-2018-12-10-17

Sampling Team Members

Ben Paswater
Judy Ashton

WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check

Sampling Equipment

- ☒ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☐ Syringe
☐ Dipper ☐ Other

Depth Measured with
Equipment ID

Collection Method

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

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

Meter ID#

IL Jan

Matrix: Fresh Marine / DI

Photos: Yes/ No

Flow: No Flow / Intestinal / 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 (umhos/cm)	Temp. (C°)
EST	1025	0.6	0.3	0.6	8.52	83.8	5.63	0.14	290	14.6
CEN										

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

SBIO ID Numbers: SBIO-ID: 79091 HA-ID: 15540 RPS-ID: 9177 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 ☒ H2SO4	SA8274050	10/01/19	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-P04-F ☒ Field Filtered 0.45 um Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-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 ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes: SBIO AUTHORIZED: MB 2/13/19

Field ID/WIN

G1SW0053



Site Name: Rocky Creek

Signature: Ben Paswater

Date: 12/6/18

Enter Field Parameters, Verify Station ID in LIMS DMT: SM 1/13/2019

QC Station ID, Field Parameters in LIMS DMT: SM 02/11/2019

Scan/Save Field Sheets SM 03/23/2019

Migrate Data to WIN: 7967 02/12/2019 SM Verify Data in WIN: SM 03/23/2019

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

SAMPLING AGENCY: DEP SWROC		STORET STATION NUMBER: GISW0053	DATE (MM/DD/YY): 12/6/18	RECEIVING BODY OF WATER: Old Tampa Bay
REMARKS:	COUNTY: Hillsborough	LOCATION: Rocky Creek	FIELD ID/NAME: GISW0053	

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 2	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Substrate Availability 2	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 1.8	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 11 ----- 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	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 9	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Bank Stability Right Bank 5 Left Bank 3	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 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 7 Left Bank 4	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 4 Left Bank 5 ----- Secondary Score 41	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

74 TOTAL SCORE

Date: 12/6/18	Analyst: Ben Pasmore, Judy Ashton	Signature: Ben Pasmore
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Length of grid represents 100 m of stream (not linear meters).
(Horizontal scale is double vertical scale, draw proportionately).

GISW1053

Location: Rocky Cr.
Date: 12-6-13
Samplers: 1 ASHWIN
3 JASWANTH
Substrates: Code key, draw proportionate habitat abundance. %

☒ Snags 2.2

☒ Roots/undercut banks few

☐ Leaf Packs (or mats)

☒ Macrophytes few

☐

☐

Total observed 2

☒ Pools Range expected 3-4

Velocity measured at 100 meter mark. 50

WQ & chemistry taken at 100 meter mark.

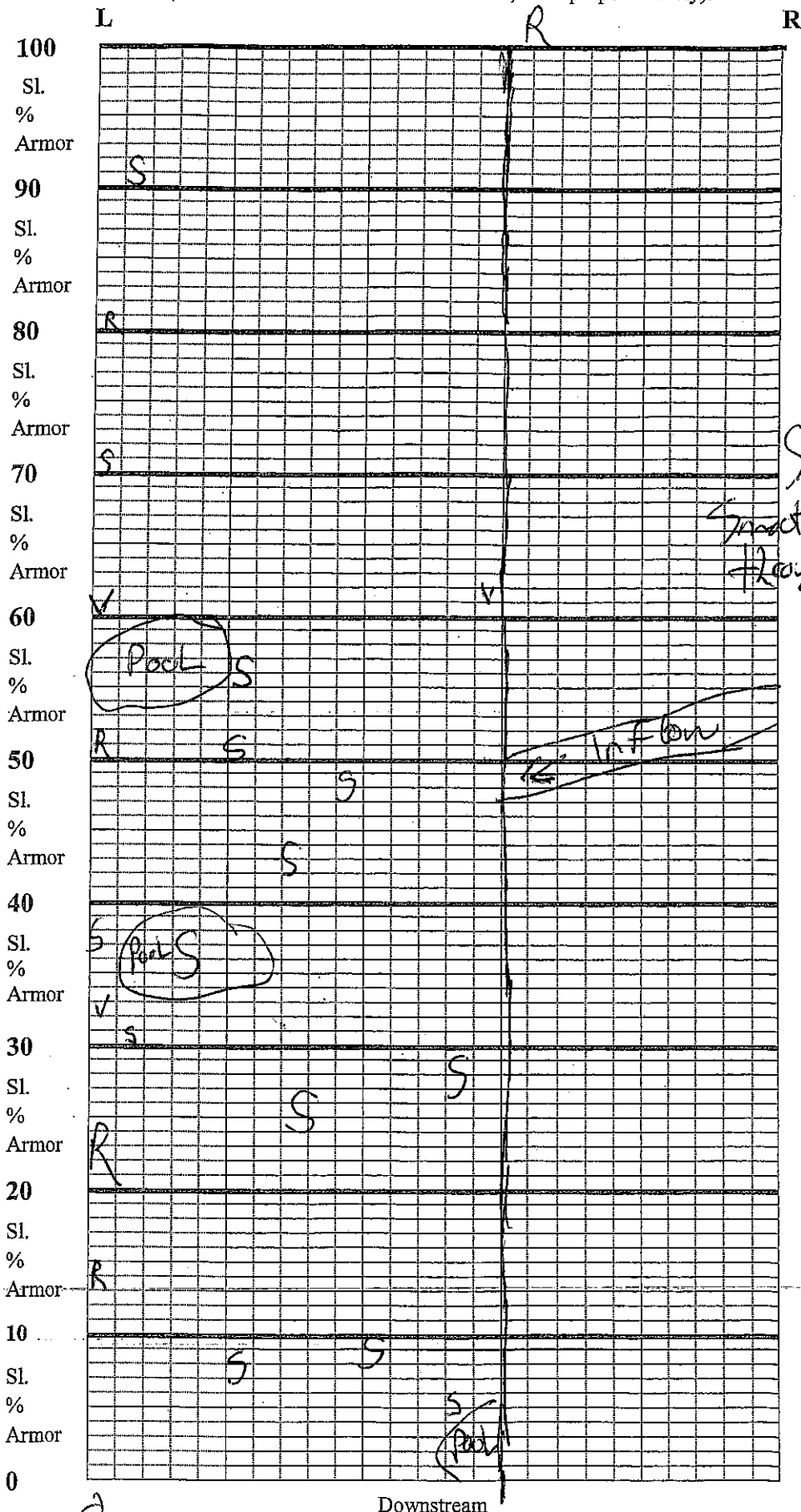
Habitat Smothering:
Note areas (on map) where sand or silt is smothering substrates, limiting habitability.

Bank Stability:
Note areas (on map) with unstable, eroding banks.

Riparian Buffer Width:
Note areas (on map) where natural vegetation is altered or eliminated.

1 sec per 1 m	1m/s	sec	m/s
2	0.5	12	0.08
3	0.33	13	0.076
4	0.25	14	0.071
5	0.2	15	0.066
6	0.16	16	0.062
7	0.14	17	0.058
8	0.12	18	0.055
9	0.11	19	0.052
10	0.1	20	0.052
11	0.09	21	0.047
22	0.045	NO	FLOW

Prod. hab	1	2	3	4	5
Sweeps (Maj)	10	7	5	4	3
Sweeps (Min)	10	6	5	4	5



DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

County:		Investigators				ROCKY CREEK			
HILLS		J. ASHTON B. PISWATER				STORET Station Number:			
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		94	60	1	N		80
	2					2			
	3					3			
	4					4			
	5					5			
	6					6			
	7					7			
	8					8			
	9					9			
10	1	N		46	70	1	N		87
	2					2			
	3					3			
	4					4			
	5					5			
	6					6			
	7					7			
	8					8			
	9					9			
20	1			90	80	1	N		90
	2					2			
	3					3			
	4					4			
	5					5			
	6					6			
	7					7			
	8					8			
	9					9			
30	1	N		3	90	1	N		27
	2					2			
	3					3			
	4					4			
	5					5			
	6					6			
	7					7			
	8					8			
	9					9			
40	1	N		20	100	1	N		90
	2					2			
	3					3			
	4					4			
	5					5			
	6					6			
	7					7			
	8					8			
	9					9			
50	1	N		80	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.				
	2				Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank.				
	3				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.				
	4				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%.				
	5								
	6								
	7								
	8								
	9								

Secchi depth 0.6
Estimated? NO

points ranked 4-6 6
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- 2018-12-10-17

Algal Thickness Rank	
N	rough, no algae, slimy, algae up to 1mm
3	>1mm - 6mm
4	>6mm - 20mm
5	>20mm - 10cm
6	>10 cm



	<u>Gainesville:</u> 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639
	<u>Jacksonville:</u> 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354
	<u>Miramar:</u> 10200 USA Today Way • Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
	<u>Tallahassee:</u> 2639 North Monroe Street, Suite D • Tallahassee, FL 32303 • 850.219.6274 • Fax 850.219.6275
✓	<u>Tampa:</u> 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: AF315E																									
Phone: 813-470-5770				Project Address:																									
Contact: Judy Ashton 813-470-5772				Special Instructions: RQ-2018-12-10-17																									
Sampled By:																													
Turn Around Time: ☒ STANDARD ☐ RUSH																													
Page: of				☐ ADaPT ☐ EQUIS ☐ Other																									
SAMPLE ID	SAMPLE DESCRIPTION			Grab Comp	SAMPLING DATE TIME		MATRIX	NO. COUNT	PRESERVATION											LABORATORY I.D. #									
	Field ID/WIN G1SW0053				12/6/16 1025 SW		1		1																				
	Site Name: Rocky Creek																												
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)														
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: 12/6/16 Time: 1220															Received by: Date: 12/6/16 Time: 1220														
															FOR DRINKING WATER USE:														
															PWS ID:														

Rocky Creek

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SW-DIST

Requester: Judy Ashton

Field Report Prepared By:

Judy Ashton

Project ID: SMP

Collected By:

J. Ashton, B. PASILATION

Sampling Agency:

FDEP

Location		☐ Comp ☒ Grab		Collection (comp begin or grab)		Eastern ☒ Central ☐		Composite end		Bottle Group(s)	
Field ID/WIN		Date		Time		Date		Time		Date	
Field		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
WIN		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)			
Site Name: Rocky Creek		Salinity (ppt)		Comments							
Latitude		Longitude		Salinity (ppt)		Comments					
Location		☐ Comp ☐ Grab		Collection (comp begin or grab)		Eastern ☐ Central ☐		Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		Time		Date	
Field		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)			
Latitude		Longitude		Salinity (ppt)		Comments					
Location		☐ Comp ☐ Grab		Collection (comp begin or grab)		Eastern ☐ Central ☐		Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		Time		Date	
Field		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)			
Latitude		Longitude		Salinity (ppt)		Comments					
Location		☐ Comp ☐ Grab		Collection (comp begin or grab)		Eastern ☐ Central ☐		Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		Time		Date	
Field		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)			
Latitude		Longitude		Salinity (ppt)		Comments					

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
<u>Judy Ashton</u>	<u>12-6-18 1700</u>	<u>FLS Ex</u>	<u>1</u>		

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: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
SWD-AEL-EC					
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					