



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

WIN Station Name: Gamble Creek @ Mulholland Rd

Date: 05/08/2019
(mm/dd/yyyy)

WIN/ Field ID: G2SW0106

WBID: 1819

Latitude: 27.535

(Decimal Degrees)

County: Manatee

ORG ID: 21FLTPA

Longitude: -82.40024

(Decimal Degrees)

Receiving Body of Water: Little Manatee River

RQ-2019- 05-06-08

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Paswater						X			X
Sarah Meyer						X			X

Sampling Equipment				
☒ Sample Container	☐ Van Dorn	☐ Pole		
☐ Carboy	☐ Syringe			
☐ Dipper	☐ Other			
Depth Measured with: Secchi				
Equipment ID <u>Secchi #1</u>				

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

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

Meter ID# Chewy 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>1200</u>	<u>0.4</u>	<u>0.2</u>	<u>0.45</u>	<u>6.44</u>	<u>84.4</u>	<u>7.25</u>	<u>3.46</u>	<u>6376</u>	<u>28.3</u>

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

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: 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			☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <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	☐ Ice			

Notes: E.coli

Field ID/WIN G2SW0106

Site Name: Gamble Creek @ Mulholland Rd

Signature: Ben Paswater Date: 5/8/19

LIMS EVENT ID: 2019-05-09-01

WIN Import ID: 14359

Enter Field Parameters, Verify Station ID In LIMS DMT: SM 06/18/2019

QC Station ID, Field Parameters In LIMS DMT: SM 07/23/2019

Scan/Save Field Sheets SM 01/15/2020

Migrate Data to WIN: SM 09/04/2019

Verify Data In WIN: SM 01/15/2020

(Initials/Date)

(Initials/Date)

(Initials/Date)

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: SW-DIST

Requester: Benjamin Paswater

Field Report Prepared By: S Meyer

Project ID: SMP

Collected By: B Paswater & S Meyer

Sampling Agency: FDEP SW RCC

Location		☐ Comp	Collection (comp begin or grab)		☒ Grab	Date 05/08/2019	Time 1200	☒ Eastern	Composite end	Bottle Group(s)
Field ID/WIN		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine		B
G2SW0106		Temp (C) 28.3		pH 7.25		Sample Depth 0.2		Sp. Conductance (umho/cm) 6376		
Site Name: Gamble Creek @ Mulholland Rd		Salinity (ppt) 3.46		Comments						
Location		☐ Comp	Collection (comp begin or grab)		☒ Grab	Date 05/08/2019	Time 1100	☒ Eastern	Composite end	Bottle Group(s)
Field ID/WIN		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine		A+B
G2SW0107		Temp (C) 24.9		pH 7.58		Sample Depth 0.1		Sp. Conductance (umho/cm) 467.3		
Site Name: Gamble Creek @ Golf Course Rd		Salinity (ppt) 0.22		Comments						
Location		☐ Comp	Collection (comp begin or grab)		☒ Grab	Date 05/08/2019	Time 0950	☒ Eastern	Composite end	Bottle Group(s)
Field ID/WIN		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine		B+C
G2SW0100		Temp (C) 24.7		pH 7.20		Sample Depth 0.1		Sp. Conductance (umho/cm) 648		
Site Name: Lil Manatee River N. Fork @ Carlton Lake Rd		Salinity (ppt) 0.31		Comments						
Location		☐ Comp	Collection (comp begin or grab)		☒ Grab	Date 05/08/2019	Time 1220	☒ Eastern	Composite end	Bottle Group(s)
Field ID/WIN		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine		C
G2SW0040		Temp (C) 28.3		pH 7.17		Sample Depth 0.3		Sp. Conductance (umho/cm) 17751		
Site Name: Mill Creek @ Upper Manatee Rvr Rd		Salinity (ppt) 10.43		Comments						

Relinquished By: Sarah Meyer	Date/Time 1700 05/08/2019	Shipping Method FedEx	Number of Coolers Shipped: 2	Received By:	Date/Time
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Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: SW-DIST

Requester: Benjamin Paswater

Field Report Prepared By: S Meyer

Project ID: SMP

Collected By: B Paswater & S Meyer

Sampling Agency: EDEP SW ROC

Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 05/08/2019 Time 10:15		Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID/WIN G2SW0103		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 7.75		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
Site Name: Lil Manatee River @ Saffold Rd		Temp (C) 23.7		pH 6.76		Sample Depth 0.3		Sp. Conductance (umho/cm) 204.6			
☐ dms		☐ dd ☐ dms		Salinity (ppt) 0.10		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		Sp. Conductance (umho/cm)			
Latitude H		☐ 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		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		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		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments			

Relinquished By: Sarah Meyer	Date/Time 05/08/2019 1700	Shipping Method FedEx	Number of Coolers Shipped:	Received By:	Date/Time
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	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	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	SW-BEA-ECQ						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	CH2CICOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
	W-CARB-AA						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-CT-CI-R						
	W-PCL-SQ-R						
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	2
	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	2
	W-PO4-F						

H2SO4
LOT# SA8344070
EXP: 12/18/2019

Group: A	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>4</u>
Group: B	Bottle Type: SW-BEA-ENQ	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>3 to Benchmark</u>
Group: C	Bottle Type: PCR-FILTER	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>2</u>
Group: C	Bottle Type: SW-BEA-ENQ	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>1 to Benchmark</u>
Group: C	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>2</u>

+ PCR - Filter 1
PCR - HF183 1
PCR - BACA 1

All in
1
Bottle

Benchmark EnviroAnalytical, Inc
1711 12th Street East
Palmetto, FL 34221
941-723-9986
941-723-6061 Fax

RQ - 2019-05-06-08

Project Name:

Client Information:	FDEP SW RCC
Address:	13051 N Telecom Pkwy
	Tampa FL 33637
Phone #	813-470-5700
Fax #	
Email	Judy.Ashton@dep.state.fl.us / DEPoverflow
Laboratory Submission #	19050392

Sample Name	Sample Type ¹ / Sample Matrix ²	Collection		Container			Preservative ⁴	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type ³	Lab Preserved ☐		
G2SW0106	G/SSW	05/08/2019	1200	1	250 mL	P	Ice	Enteroc	1
G2SW0107	G/SFW		1100	1		P		E Coli	2
G2SW0100	G/SFW		950	1		P		E Coli	3
G2SW0040	G/SSW		1220	1		P		Enteroc	4
G2SW0103	G/SFW		1015	1		P		E Coli	5

¹ "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
² "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
³ "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
⁴ Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).
Under "Preservative," list any preservatives that were added to the sample container.

Instructions:

- Each bottle has a label identifying sample ID, preservative contained in the bottle, sample type, client ID, and parameters for analysis.
- The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
- All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
- The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

1	Collected By: Sarah Mayn	Date: 05/08/19	Time: 1220	Received By:	Date:	Time:
2	Relinquished By: Sarah Mayn	Date: 05/08/19	Time: 134	Received By: [Signature]	Date: 5/8/19	Time: 1340

Laboratory Sample Acceptability:
pH < 2: ☒ Temperature: 3.4°C