



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Gamble Creek @ Golf Course Rd

Date: 10-1-19
(mm/dd/yyyy)

WIN/ Field ID: G2SW0107

WBID: 1819

Latitude: 27.55315

(Decimal Degrees)

County: Manatee

ORG ID: 21FLTPA

Longitude: -82.38989

(Decimal Degrees)

Receiving Body of Water: Little Manatee River

RQ-2019- 09-30-20

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J. ASHTON									
B. 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: <u>Dry</u> / Pooled / <u>Low</u> / Normal / High / Flooded				Meter ID# <u>CH912Y</u>				Matrix: <u>Fresh</u> / Marine / DI			
Photos: Yes / <u>No</u>		Flow: <u>No Flow</u> / Interstitial / Flowing / NA				Tide: <u>Rising</u> / Falling / Slack / NA		Tide Times: High <u>Low</u>			
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°)	
<u>EST</u>	<u>1120</u>	<u>0.2</u>	<u>0.1</u>	<u>0.2</u>	<u>7.91</u>	<u>96.5</u>	<u>7.00</u>	<u>0.26</u>	<u>543</u>	<u>25.3</u>	
				<u>S</u>							

Biological Samples Collected: <u>None</u> 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 um 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: <u>E.coli</u>		Field ID/WIN <u>G2SW0107</u> 	
Signature: <u>[Signature]</u>		Date: <u>10-1-19</u>	
Site Name: <u>Gamble Creek @ Golf Course Rd</u>			

LIMS EVENT ID: 2019-10-02-01 WIN Import ID: 16003
Enter Field Parameters, Verify Station ID In LIMS DMT: SM 11/13/2019 QC Station ID, Field Parameters In LIMS DMT: SM 12/30/2019
Scan/Save Field Sheets SM 01/15/2020 Migrate Data to WIN: SM 12/30/2019 Verify Data In WIN: SM 01/15/2020
(Initials/Date) (Initials/Date) (Initials/Date)

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

PO# B578C6

Client Information: FDEP

Address: 13051 N. Telecom Parkway

Tampa FL 33604

Phone # 815-470-5772

Report to: Judy.ashton@dep.state.fl.us, DEP-Overflomicro@dep.state

Invoice to: FDEP Micro Overflow

Project Name: RQ-2019-09-30-06

Laboratory Submission #

19100011

Sample Name	Sample Type ¹ / Sample Matrix ²	Collection		Container			Preservative ⁴	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type ³			
<u>G2SW0103</u> <u>LIL MANATEE RIVER @ SAATCHI</u>	SW	<u>10-1-19</u>	<u>1030</u>		<u>250mL</u> <u>120mL</u>	P	Plain (on Ice)	<u>E. COLI</u>	<u>1</u>
<u>G2SW0040</u> <u>MILL CREEK @ UPPER MANATEE</u>	SW	<u>10-1-19</u>	<u>1150</u>		<u>250mL</u> <u>120mL</u>	P	Plain (on Ice)	<u>ENTERO</u>	<u>2</u>
<u>G2SW0100</u> <u>LIL MANATEE R. N. FORK @ BAYVIEW</u>	SW	<u>10-1-19</u>	<u>1000</u>		<u>250mL</u> <u>120mL</u>	P	Plain (on Ice)	<u>E. COLI</u>	<u>3</u>
<u>G2SW0106</u> <u>GAMBLE CREEK @ MULLEN DELTA</u>	SW	<u>10-1-19</u>	<u>1140</u>		<u>250mL</u> <u>120mL</u>	P	Plain (on Ice)	<u>E. COLI</u>	<u>4</u>
<u>G2SW0107</u> <u>GAMBLE CREEK @ BOLT COURSE</u>	SW	<u>10-1-19</u>	<u>1120</u>		<u>250mL</u> <u>120mL</u>	P	Plain (on Ice)	<u>E. COLI</u>	<u>5</u>
	SW				120mL	P	Plain (on Ice)		
	SW				120mL	P	Plain (on Ice)		

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 (43°F).
Under "Preservative," list any preservatives that were added to the sample container.

Instructions:
1. Each bottle has a label identifying sample ID, preservative, container ID, and parameters for analysis.
2. 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.
3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

Laboratory Sample Acceptability:

Temperature:

1	Collected / Relinquished By: <u>J. Ashton</u>	Date <u>10-1-19</u>	Time <u>1150</u>	Received By:	Date	Time
2	Relinquished By: <u>J. Ashton</u>	Date <u>10-1-19</u>	Time	Received By: <u>[Signature]</u>	Date <u>10-1-19</u>	Time <u>1313</u>

Request Number: RQ-2019-09-30-06

Florida Department of Environmental Protection Central Laboratory Submittal Form

Gamble, Mil, Lil Man N, Lil Man S.

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last revised Jan 25, 2018

Customer: SW-DIST

Requester: Judy Ashton

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location	Field ID/WIN	G2SW0103	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10-1-19 Time 1030	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID				Matrix (type, e.g., Salt Fresh, etc)	Diss. Oxygen	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STC				Temp (C) 24.7	pH 6.51	Sample Depth 0.1	Sp. Conductance (umho/cm) 349.9
Site Name:	Lil Manatee River @ Saffold Rd		Comments				
Latitude	☐ dms		☐ dd ☐ dms				
Location	Field ID/WIN	G2SW0040	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10-1-19 Time 1150	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/STC				Temp (C) 27.3	pH 6.90	Sample Depth 0.3	Sp. Conductance (umho/cm) 5836
Site Name:	Mill Creek @ Upper Manatee Rvr Rd		Comments				
Latitude	☐ dms		☐ dd ☐ dms				
Location	Field ID/WIN	G2SW0100	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10-1-19 Time 1000	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/STC				Temp (C) 25.9	pH 6.17	Sample Depth 0.3	Sp. Conductance (umho/cm) 450.0
Site Name:	Lil Manatee River N. Fork @ Carlton Lake Rd		Comments				
Latitude	☐ dms		☐ dd ☐ dms				
Location	Field ID/WIN	G2SW0106	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10-1-19 Time 1140	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/STC				Temp (C) 26.6	pH 7.03	Sample Depth 0.3	Sp. Conductance (umho/cm) 815
Site Name:	Gamble Creek @ Mulholland Rd		Comments				
Latitude	☐ dms		☐ dd ☐ dms				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
J. Ashton	10-1-19 1600	Fed Ex	2		

Request Number: RQ-2019-09-30-06

Gamble, Mil, Lil Man N, Lil Man S.

Florida Department of Environmental Protection

Central Laboratory Submittal Form

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last revised Jan 25, 2018

Customer: SW-DIST

Requester: Judy Ashton

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 10-2-19 Time 1120		Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID/WIN G2SW0107		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 7.91		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		B	
WIN		Temp (C) 25.3		pH 7.00		Sample Depth 0.1		☐ ft ☒ m		Sp. Conductance (umho/cm) 543	
Site Name: Gamble Creek @ Golf Course Rd		Salinity (ppt) 0.26		Comments E. COU DROPPED AT 2 BENCHMARK							
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.26		Comments E. COU DROPPED AT 2 BENCHMARK					
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)		Bottle Group(s)	
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)		Bottle Group(s)	
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)		Bottle Group(s)	
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:	Date/Time	Shipping Method	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	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-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	SW-AEL-ECQ 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	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: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
Group: B	Bottle Type: SW-AEL-ECQ	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: PCR-BACR PCR-HF183	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: SW-AEL-ECQ	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: PCR-BACR PCR-HF183	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: SW-AEL-ENQ	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1